

**\*\*\*DRAFT MACHINE READABLE\*\*\***  
**Enumeration and Bit Encoded Values**  
**for use with Protocols for Distributed**  
**Interactive Simulation Applications**

**This document accompanies IEEE Std**  
**1278.1-1995 and IEEE Std 1278.1A-1998**

**Simulation Interoperability Standards Organization**

**\*\*\*DRAFT MACHINE READABLE\*\*\* Enumeration and Bit Encoded Values for use with Protocols for Distributed Interactive Simulation Applications**  
**This document accompanies IEEE Std 1278.1-1995 and IEEE Std 1278.1A-1998**

by Simulation Interoperability Standards Organization

Copyright (c) 2007 by the Simulation Interoperability Standards Organization, Inc.

P.O. Box 781238

Orlando, FL 32878-1238, USA

All rights reserved.

This document is an approved product of Simulation Interoperability Standards Organization (SISO), Inc. and therefore the copyright of this document belongs to SISO, Inc. Permission is hereby granted for this document to be used for production of both commercial and non-commercial products. Removal of this copyright statement and claiming rights to this document is prohibited. In addition, permission is hereby granted for this document to be distributed in its original or modified format (e.g. as part of a database; however, modification does not imply to the content of this document) provided that no charge is invoked for the provision. Permission is hereby granted by SISO for modification and extension of products produced from this document providing that SISO's copyright is acknowledged on the products developed.

SISO EXCOM

P.O. Box 781238

Orlando, FL 32878-1238, USA

# Table of Contents

<b>1. Introduction.....</b>	<b>1</b>
1.1. Notes .....	1
<b>2. Acronyms.....</b>	<b>3</b>
<b>3. PDU Header .....</b>	<b>10</b>
3.1. Protocol version .....	10
3.2. PDU Type.....	10
3.3. Protocol Family .....	12
<b>4. Entity State PDU.....</b>	<b>13</b>
4.1. Force ID .....	13
4.2. Entity Type record.....	13
4.2.1. Entity Kind .....	14
4.2.2. Country .....	31
4.2.3. Comprehensive Entity-Type tables.....	39
4.3. Entity Appearance.....	399
4.3.1. Platform Kind .....	400
4.3.2. Munition Kind .....	409
4.3.3. Life Forms Kind .....	411
4.3.4. Environmentals Kind.....	413
4.3.5. Cultural Features Kind .....	414
4.3.6. Supplies Kind .....	416
4.3.7. Radios Kind.....	416
4.3.8. Expendables Kind.....	416
4.3.9. Sensor/Emitter Kind .....	416
4.4. Dead-Reckoning Algorithm.....	418
4.5. Entity Marking .....	419
4.5.1. Codes for Entity Marking Field (Army Marking - Character Set code = 2) .....	419
4.5.2. Codes for Entity Marking Field (Digit / Chevron - Character Set code = 3) .....	423
4.6. Entity Capabilities record.....	424
4.7. Parameter Type.....	425
4.7.1. Parameter Type Designator .....	425
<b>5. Warfare.....</b>	<b>432</b>
5.1. Burst Descriptor record.....	432
5.1.1. Warhead .....	432
5.1.2. Fuse (detonator).....	434
5.2. Detonation Result.....	436
<b>6. Logistics .....</b>	<b>438</b>
6.1. Service Request PDU.....	438
6.2. Repair Complete PDU .....	438
6.2.1. General repair codes .....	438
6.2.2. Drive train.....	438
6.2.3. Hull/Airframe/B .....	439
6.2.4. Interfaces with environment .....	439
6.2.5. Weapons.....	439
6.2.6. Fuel systems .....	440

6.2.7. Electronics .....	440
6.2.8. Life support systems.....	441
6.2.9. Hydraulic systems and actuators .....	441
6.2.10. Auxiliary craft .....	441
6.3. Repair Response PDU.....	442
<b>7. Simulation Management family .....</b>	<b>443</b>
7.1. Datum Specification record.....	443
7.2. Stop/Freeze PDU.....	481
7.2.1. Reason .....	481
7.2.2. Frozen Behavior .....	481
7.3. Acknowledge PDU.....	481
7.3.1. Acknowledge Flag .....	482
7.3.2. Response Flag.....	482
7.4. Action Request PDU .....	482
7.4.1. Action ID .....	482
7.5. Action Response PDU .....	484
7.5.1. Request Status .....	484
7.6. Event Report PDU.....	484
7.6.1. Event Type .....	484
7.7. Simulation Management w/Reliability family .....	485
7.7.1. Required Reliability Service.....	485
<b>8. Distributed Emission Regeneration family .....</b>	<b>486</b>
8.1. Electromagnetic Emission PDU.....	486
8.1.1. Emitter Name.....	486
8.1.2. Function .....	518
8.1.3. State Update Indicator .....	520
8.1.4. Beam Function.....	521
8.1.5. High Density Track/Jam.....	521
8.2. Designator PDU .....	521
8.2.1. Code Name .....	522
8.2.2. Designator Code .....	522
8.3. IFF/ATC/NAVAIDS PDU .....	522
8.3.1. System ID .....	522
8.3.2. System Type 1 (Mark X/XII/ATCRBS/MODE S Transponder) .....	523
8.3.3. System Type 2 (Mark X/II/ATCRBS/MODE S Interrogator) .....	530
8.3.4. System Type 3 (Soviet Transponder).....	536
8.3.5. System Type 4 (Soviet Interrogator).....	542
8.3.6. System Type 5 (RRB Transponder).....	547
8.3.7. Specific Issuance/Receipt Rules .....	552
8.4. Underwater Acoustic PDU .....	555
8.4.1. State/Change Update indicator .....	555
8.4.2. Acoustic System Name.....	555
8.4.3. Function .....	555
8.4.4. Active Emission Parameter Index.....	556
8.4.5. Scan Pattern .....	556
8.4.6. Passive Parameter Index .....	556
8.4.7. Propulsion Plant Configuration .....	557

8.4.8. Additional Passive Activity Parameter Index .....	557
8.5. SEES PDU .....	557
8.5.1. Engine Power Setting Values.....	558
<b>9. Radio Communications family .....</b>	<b>559</b>
9.1. Transmitter PDU .....	559
9.1.1. Modulation Type record .....	559
9.1.2. Transmit State .....	562
9.1.3. Input Source.....	562
9.1.4. Crypto System .....	563
9.1.5. Antenna Pattern Type .....	563
9.1.6. Reference System .....	563
9.1.7. Modulation Parameters, used in the Transmitter PDU .....	563
9.1.8. Radio signal encoding .....	566
9.1.9. User Protocol Identification Number.....	567
9.1.10. TDL Type .....	570
9.2. Receiver PDU.....	572
9.2.1. Receiver State .....	572
9.3. Intercom Control PDU .....	572
9.3.1. Control Type .....	572
9.3.2. Communications Type .....	573
9.3.3. Command .....	573
9.3.4. Transmit Line State .....	573
9.3.5. Destination Line State Command.....	574
9.3.6. Intercom Communications Parameters records .....	574
<b>10. Entity Information/Interaction family .....</b>	<b>577</b>
10.1. Collision PDU .....	577
10.1.1. Collision Type.....	577
10.2. Minefield Data PDU.....	577
10.2.1. Appearance Bit Map.....	577
10.2.2. Data Filter .....	578
10.2.3. Fusing .....	579
10.2.4. Sensor Types.....	580
10.2.5. Paint Scheme .....	582
10.2.6. Protocol Mode .....	583
<b>11. Entity Management family .....</b>	<b>584</b>
11.1. Aggregate State PDU .....	584
11.1.1. Aggregate State.....	584
11.1.2. Formation .....	584
11.1.3. Aggregate Type record .....	584
11.2. IsPartOf PDU .....	587
11.2.1. Nature .....	587
11.2.2. Position .....	587
11.2.3. Station Name .....	587
11.3. IsGroupOf PDU .....	588
11.3.1. Grouped Entity Category .....	588
11.3.2. Rest Status .....	588
11.3.3. Grouped Entity Description records .....	589

11.4. Transfer Control PDU .....	598
11.4.1. Transfer Type.....	599
<b>12. Environment family .....</b>	<b>600</b>
12.1. Point, Linear, Areal Object State PDU .....	600
12.1.1. Object Type record .....	600
12.1.2. Appearance record.....	603
12.1.3. Modification field .....	608
12.2. Gridded Data PDU .....	609
12.2.1. Field Number.....	610
12.2.2. Coordinate System.....	610
12.2.3. Constant Grid.....	610
12.2.4. Sample Type .....	610
12.2.5. Data Representation.....	610
12.3. Environmental Process PDU .....	611
12.3.1. Model Type.....	611
12.3.2. Environment Status.....	611
12.3.3. Type .....	611
12.3.4. Geometry record.....	612
12.3.5. State record.....	620

# List of Tables

1-1. Change History.....	1
9-1. CCTT SINCGARS Modulation Parameters.....	564
9-2. JTIDS/MIDS Modulation Parameters .....	565
9-3. Entity Destination record.....	575
9-4. Group Destination record .....	575
9-5. Group Assignment record .....	575
11-1. Grouped Entity Description Record 1 .....	590
11-2. Grouped Entity Description Record 2 .....	591
11-3. Grouped Entity Description Record 3 .....	592
11-4. Grouped Entity Description Record 4 .....	593
11-5. Grouped Entity Description Record 5 .....	594
11-6. Grouped Entity Description Record 6 .....	595
11-7. Grouped Entity Description Record 7 .....	596
11-8. Grouped Entity Description Record 8 .....	597
11-9. Grouped Entity Description Record 9 .....	598
12-1. Point Record 1 .....	612
12-2. Point Record 2 .....	613
12-3. Line Record 1 .....	613
12-4. Line Record 2 .....	613
12-5. Bounding Sphere Record.....	614
12-6. Sphere Record 1 .....	614
12-7. Sphere Record 2 .....	614
12-8. Ellipsoid Record 1 .....	615
12-9. Ellipsoid Record 2 .....	615
12-10. Cone Record 1 .....	616
12-11. Cone Record 2 .....	616
12-12. Rectangular Record 1 .....	617
12-13. Rectangular Record 2 .....	618
12-14. Gaussian Plume Record.....	618
12-15. Gaussian Puff Record .....	619
12-16. Uniform Geometry Record.....	620
12-17. Rectangular Record 3 .....	620
12-18. COMBIC State .....	620
12-19. Flare State .....	621

# Chapter 1. Introduction

This document specifies the numerical values and associated definitions for those Distributed Interactive Simulation (DIS) Protocol Data Units (PDUs) fields that are identified as enumerations in IEEE 1278.1-1995 and IEEE 1278.1A-1998. Compliance with this document is mandatory for participation in a DIS exercise.

The various fields are grouped according to the PDUs in which they appear, and the PDUs are then grouped by PDU family, constituting Sections 3-12 below.

The original contents of this document began as a set of separate appendices to the early versions of the Standard for Distributed Interactive Simulation (DIS) Protocol Data Units (PDUs). These appendices were eventually bound together under common cover with a single title and published as IST-CR-93-19. Stewardship of this document was then temporarily transferred to the Joint Interoperability Engineering Organization (JIEO), which substantially increased the level and amount of detail. The next revision by IST, published as IST-CR-93-46, retained the many substantive contributions of JIEO, while restructuring the document for the first time as the single, integrated source for all enumeration fields found in the DIS PDUs. At that time a change control process was initiated for all changes to this document.

**Table 1-1. Change History**

Document Number	Publication Date	Change Requests Incorporated
IST-CR-92-16		-
IST-CR-93-19		-
IST-CR-93-46		-
IST-CR-95-14		1 - 147
IST-CR-96-06		148 - 559
IST-CR-96-17		560 - 644
IST-CR-97-23		645 - 688
IST-CR-97-29	1997-11-25	689 - 779
IST-CR-98-07	1998-06-20	780 - 884
IST-CR-99-01	1999-02-22	885 - 941
IST-CR-99-04	1999-09-03	942 - 1003
IST-CR-00-10	2000-08-13	1004 - 1056
IST-CF-01-01	2001-04-29	1057 - 1167
IST-CF-02-01	2002-04-16	1168 - 1259
IST-CF-03-01	2003-05-05	1260 - 1422
SISO-REF-010-2005	2005-03-25	1423 - 1469
SISO-REF-010-2006	2006-05-12	1470 - 1608



## **1.1. Notes**

1. The URL for the document library containing this document and prior issues, as well as the Change Request form is: [http://www.sisostds.org/doclib/doclib.cfm?SISO\\_RID\\_1003262](http://www.sisostds.org/doclib/doclib.cfm?SISO_RID_1003262)
2. To subscribe to the e-mail reflector associated with the continued development of this Enumerations document go to <http://www.sisostds.org/>, click on the word Discussions, select SISO-ENUM and click on submit.

## Chapter 2. Acronyms

AA	Anti-Aircraft
AAA	Anti-Aircraft Artillery
AABNCP	Advanced Airborne Command Post
AAC	Anti-Aircraft Common
AAV	Amphibious Assault Vehicle
AAWS-M	Advanced Antitank Weapon System--Medium
ABS	Amphibious Bridging System
ACV	Armored Command Vehicle
AD	Air Defense
ADAM	Area Denial Artillery/Antipersonnel Munition
ADATS	Air Defense Anti-Tank System
ADCAP	Advanced Capability
ADF	Air Defense Fighter (F-16A variant)
ADPCM	Adaptive Differential Pulse Code Modulation
ADSM	Air Defense Suppression Missile
ADV	Air Defense Variant (British Tornado variant)
AEW	Airborne Early Warning
AEW&C	Airborne Early Warning & Control
AFARV	Armored, Forward-Area, Rearm Vehicle
AFAS	Advanced Field Artillery System
AFS	Auxiliary Fleet Support
AFSK	Audio Frequency Shift Keying
AHI	Anti-Helicopter Mine
ALARM	Air-Launched Anti-Radiation Missile (UK)
ALCM	Air Launched Cruise Missile
ALSV	Armored Logistics Support Vehicle
ALWP	Advance Light Weight
AM	Amplitude Modulation
AMC	Armored Mortar Carrier
AMRAAM	Advanced Medium Range Air-to-Air Missile
AMV	Armored Maintenance Vehicle
AO	Auxiliary Oiler
AOL	Auxiliary Oiler, Light
AOT	Auxiliary Oiler, Transport
AP	Armor Piercing
APC	Armored Personnel Carrier

APERS	Antipersonnel
API	Armor Piercing Incendiary
APV	Armored Patrol Vehicle
ARL	Airborne Reconnaissance--Low
ARM	Antiradiation Missile
ARM-D	Antiradiation Missile Decoy
ARV	Armored Recovery Vehicle
ASCII	American Standard Code for Information Interchange
ASM	Air-to-Surface Missile
ASMP	French "Air-Sol Moyenne Portee;" Air-to-surface medium-range missile
ASROC	Anti-Submarine Rocket
ASW	Anti-Submarine Warfare
AT	Anti-Tank
ATAM	Air-To-Air Mistral missile
ATBM	Anti-Tactical Ballistic Missile
ATGW	Anti-Tank Guided Weapon
ATTV	All-Terrain Tow Vehicle
AVLB	Armored Vehicle-Launched Bridge
AVRE	Armored Vehicle, Royal Engineers
AWACS	Airborne Warning and Control System
BAT	Brilliant Anti-Tank guided submunition (US)
BB	Base Bleed
BD	Base Detonation
BETAB	Russian "betonoboy'naya aviatsionaya bomba," or concrete-piercing aircraft bomb
BZ	Benactyzine, Chemical warfare incapacitating agent
C2	Command and Control
CAT	Combined Arms Team
CAV	Composite Armored Vehicle
CAWS	Close Assault Weapon System
CBU	Cluster Bomb Unit
CCITT	International Telegraph and Telephone Consultative Committee
CFV	Cavalry Fighting Vehicle
CITV	Commander's Independent Thermal Viewer
CUCV	Commercial Utility Cargo Vehicle
CVCC	Combat Vehicle Command and Control
CVSD	Continuously Variable Slope Delta (modulation)
CVT	Continuous Variable Time
CW	Continuous Wave
DAACM	Direct Airfield Attack Combined Munition

DIS	Distributed Interactive Simulation
DMSP	Defense Meteorological Satellite Program
DP	Dual-Purpose
DRA	Dead Reckoning Algorithm
DRM	Dead Reckoning Model
DRS	Data Relay Satellite
DS	Discarding Sabot
DSB	Double Sideband
DSCS	Defense Satellite Communication System
DSP	Defense Support Program
DU	Depleted Uranium
ECM	Electronic Countermeasures
ECR	Electronic Combat/Countermeasures & Reconnaissance (Tornado variant)
EFM	Enhanced Fighter Maneuverability
EFVS	Electronic Fighting Vehicle System
ELINT	Electronic Intelligence
ERAM	Extended Range Anti-armor Munition
ERINT	Extended Range Interceptor
ERS	European Remote sensing Satellite
EW	Electronic Warfare
E2I	Endo-Exoatmospheric Interceptor
FAASV	Field Artillery Ammunition Support Vehicle
FAMV	Forward Area Multi-purpose Vehicle
FAV	Fast Attack Vehicle
FDC	Fire Direction Center
FIST-V	Fire Support Team Vehicle
FM	Frequency Modulation
FMTV	Family of Medium Tactical Vehicles
FOG-M	Fiber Optic Guided Missile
FOMP	Fiber Optic Mortar Projectile
FS	Fin Stabilized
FSK	Frequency Shift Keying
GB	Sarin, chemical warfare nerve agent
GD	Soman, chemical warfare nerve agent
GLCM	Ground Launched Cruise Missile
GLH:H	Ground Launched Hellfire: Heavy
GP	General Purpose
GPS	Global Positioning System; Gunner's Primary Sight
GTI	German Tank Improvement

HARM	High-Speed Antiradiation Missile
HC	Hexachloroethane Zinc
HE	High Explosive
HEAT	High Explosive Anti-Tank
HE-I	High Explosive-Incendiary
HEMTT	Heavy Expanded Mobility Tactical Truck
HEP	High Explosive Plastic
HERA	High Explosive Rocket Assisted
HET	Heavy Equipment Transporter
HIMAD	High-to-Medium Altitude Air Defense
HL	Mustard-Lewisite mixture, chemical warfare blister agent
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HOT	High subsonic Optically Teleguided; French ATGM family
HQ	Headquarters
HST	Hypersonic Transport (German program)
HVAP	High Velocity Armor Piercing
HVM	High Velocity Missile
ICM	Improved Conventional Munition
IDS	Interdiction/Strike (Tornado ground-attack variant)
IEEE	Institute of Electrical and Electronic Engineers
IFV	Infantry Fighting Vehicle
IR	Infrared
ISB	Independent Sideband
IST	Institute for Simulation and Training
ITOW	Improved TOW
ITV	Improved TOW Vehicle
JIEO	Joint Interoperability Engineering Organization
JSTARS	Joint Surveillance & Target Attack Radar System
KE	Kinetic Energy
LAV	Light Armored Vehicle
LAW	Light Antitank Weapon
LCM	Landing Craft, Mechanized/Medium
LCT	Landing Craft, Tank
LCU	Landing Craft, Utility
LCV	Lightweight Combat Vehicle
LGB	Laser-Guided Bomb
LMTV	Light Medium Tactical Vehicle
LOSAT	Line-of-Sight Anti-Tank
LRRSC	Long-Range Recovery and Support Craft

LSB	Lower Sideband
LSV	Light Strike Vehicle
LVT	Landing Vehicle, Tracked
LVTC	LVT, Command
LVTE	LVT, Engineer
LVTH	LVT, Howitzer
LVTR	LVT, Recovery
MBT	Main Battle Tank
MCM	Mine Countermeasures
MCT	Medium Combat Truck
MG	Machine Gun
MHC	Material Handling Crane
MICLIC	Mine-Clearing Charge
MIL STD	Military Standard
MLMS	Multipurpose Lightweight Missile System
MLRS	Multiple Launch Rocket System
MP	Multi-Purpose
MPIM	Multipurpose Individual Munition
MPS	Maritime Prepositioning Ship
MRCA	Multi-Role Combat Aircraft
MTV	Medium Tactical Vehicle
NASP	National Aerospace Plane
NATO	North Atlantic Treaty Organization
NBC	Nuclear/Biological/Chemical
NLS	National Launch System
N/A	Not Applicable
PCM	Pulse Code Modulation
PD	Point Detonation
PDM	Pursuit Deterrent Munition
PDU	Protocol Data Unit
PM	Phase Modulation
POET	Primed Oscillator Expendable Transporter (US RF decoy)
PRI	Pulse Repetition Interval
RA	Rocket Assisted
RAAM	Rifle-launcher Anti-Armor Munition
RAG	Ring Airfoil Grenade
RAM	Rolling Airframe Missile
RAMP-V	Rapid Multi-Purpose Vehicle
RAP	Rocket-Assisted Projectile

RDF/LT	Rapid Deployment Force Light Tank
RF	Radio Frequency
RMP	Reprogrammable Microprocessor (Stinger variant)
RN	Royal Navy
RNXS	Royal Naval Auxiliary Service
RTCST	Rough Terrain Container Straddle Truck
RTTL	Range Target Towing Launch (RAF)
SAM	Surface-to-Air Missile
SAMP	French "Systeme sol-Air Moyenne Portee" (Surface to Air Missile Platform, new SAM system under development)
SAMP	French "Societe des Ateliers Mecaniques de Pont-sur-Sambre," Bomb Manufacturer
SAP	Semi-Armor Piercing
SAR	Search and Rescue
SAW	Squad Automatic Weapon
SD	Self-Destruct
SDS	Satellite/Space Defense System
SFW	Sensor Fused Weapon
SEALS	Sea/Air/Land (USN special forces)
SH	Squash Head
SIGINT	Signal Intelligence
SIMNET	Simulation Networking
SINCGARS	Single Channel Ground-Air Radio System
SLAM	Selectable Lightweight Attack Munition
SLAM	Standoff Land Attack Missile (modified Harpoon)
SLBM	Submarine Launched Ballistic Missile
SMAW	Shoulder-launched Multipurpose Assault Weapon (US)
SNA	Soviet Naval Air
SP	Self-Propelled
SPAS	Shuttle Pallet Satellite (German)
SRAM	Short Range Attack Missile
SSB	Single Sideband
SSBS	French "Sol-Sol Balistique Stratigique," strategic surface-to-surface ballistic missile
SUBROC	Submarine Rocket
SUSV	Small Unit Support Vehicle
SURTASS	Surveillance Towed Array Sonar System
SWAARM	Smart Weapon Anti-Armor (UK guided submunition)
SWATH	Small Water-plane Area Twin Hull
-T	Tracer (ammunition)
TACAMO	Take Charge And Move Out
TAD	Trailing Arm Drive

TARG	Telescoped Ammunition Revolver Gun
TASM	Tomahawk Anti-Ship Missile
TCD	Landing Ship, Dock
TDRSS	Tactical Data Relay Satellite System
THAAD	Theater High-Altitude Area Defense
TLAM	Tomahawk Land Attack Missile
TLB	Trailer Launched Bridge
TOW	Tube-launched, Optically tracked, Wire-guided (missile)
TUTT	Twin Unit Tractor Tugs
UK or U.K.	United Kingdom
US or U.S.	United States
USB	Upper Sideband
VLF	Very Low Frequency
VRRTFLT	Variable Reach Rough Terrain Forklift Truck
VSF	Vestigial Sideband
VT	Variable Time
WAM	Wide Area Mine
WP	White Phosphorus



# Chapter 3. PDU Header

## 3.1. Protocol version

This section specifies the 8-bit enumeration for the Protocol-Version field in the PDU-Header record.

Field Value	Description
0	Other
1	DIS PDU version 1.0 (May 92)
2	IEEE 1278-1993
3	DIS PDU version 2.0 - third draft (May 93)
4	DIS PDU version 2.0 - fourth draft (revised) March 16, 1994
5	IEEE 1278.1-1995
6	IEEE 1278.1A-1998

## 3.2. PDU Type

This section specifies the 8-bit enumeration for the PDU-Type field in the PDU Header record.

Field Value	Description
0	Other
1	Entity State
2	Fire
3	Detonation
4	Collision
5	Service Request
6	Resupply Offer
7	Resupply Received
8	Resupply Cancel
9	Repair Complete
10	Repair Response
11	Create Entity
12	Remove Entity
13	Start/Resume
14	Stop/Freeze
15	Acknowledge
16	Action Request

Field Value	Description
17	Action Response
18	Data Query
19	Set Data
20	Data
21	Event Report
22	Comment
23	Electromagnetic Emission
24	Designator
25	Transmitter
26	Signal
27	Receiver
28	IFF/ATC/NAVAIDS
29	Underwater Acoustic
30	Supplemental Emission / Entity State
31	Intercom Signal
32	Intercom Control
33	Aggregate State
34	IsGroupOf
35	Transfer Control
36	IsPartOf
37	Minefield State
38	Minefield Query
39	Minefield Data
40	Minefield Response NAK
41	Environmental Process
42	Gridded Data
43	Point Object State
44	Linear Object State
45	Areal Object State
46	TSPI
47	Appearance
48	Articulated Parts
49	LE Fire
50	LE Detonation
51	Create Entity-R
52	Remove Entity-R
53	Start/Resume-R
54	Stop/Freeze-R
55	Acknowledge-R

Field Value	Description
56	Action Request-R
57	Action Response-R
58	Data Query-R
59	Set Data-R
60	Data-R
61	Event Report-R
62	Comment-R
63	Record-R
64	Set Record-R
65	Record Query-R
66	Collision-Elastic
67	Entity State Update

### 3.3. Protocol Family

This section specifies the 8-bit enumeration for the Protocol-Family field in the PDU-Header record.

Field Value	Description
0	Other
1	Entity Information/Interaction
2	Warfare
3	Logistics
4	Radio Communication
5	Simulation Management
6	Distributed Emission Regeneration
7	Entity Management
8	Minefield
9	Synthetic Environment
10	Simulation Management with Reliability
11	Live Entity
12	Non-Real Time
129	Experimental - Computer Generated Forces

# Chapter 4. Entity State PDU

## 4.1. Force ID

This section specifies the 8-bit enumeration for the Force-ID field in the Entity-State PDU.

Field Value	Description
0	Other
1	Friendly
2	Opposing
3	Neutral
4	Friendly 2
5	Opposing 2
6	Neutral 2
7	Friendly 3
8	Opposing 3
9	Neutral 3
10	Friendly 4
11	Opposing 4
12	Neutral 4
13	Friendly 5
14	Opposing 5
15	Neutral 5
16	Friendly 6
17	Opposing 6
18	Neutral 6
19	Friendly 7
20	Opposing 7
21	Neutral 7
22	Friendly 8
23	Opposing 8
24	Neutral 8
25	Friendly 9
26	Opposing 9
27	Neutral 9
28	Friendly 10
29	Opposing 10
30	Neutral 10

## 4.2. Entity Type record

This section specifies the 64-bit enumeration for the Entity-Type record of the Entity State PDU. Individual fields in this record are discussed separately in the subsections below. Entity Types are arranged in a hierarchical order such that higher-fidelity simulations may depict detailed representations of an entity (such as an F-16B) while lower-fidelity simulations may depict the same entity in a more generic manner (such as an F-16 or a Fighter Aircraft).

### 4.2.1. Entity Kind

This section specifies the 8-bit enumeration for the Entity-Kind field.

Field Value	Description
0	Other
1	Platform
2	Munition
3	Life form
4	Environmental
5	Cultural feature
6	Supply
7	Radio
8	Expendable
9	Sensor/Emitter

#### 4.2.1.1. Platform

The Platform kind refers to vehicles such as ships, tanks, aircraft and submarines. Fields used to further describe platforms are detailed in the paragraphs that follow.

##### 4.2.1.1.1. Domain

The Domain field is an 8-bit enumeration. The defined values for a platform's domain are:

Field Value	Description
0	Other
1	Land
2	Air
3	Surface
4	Subsurface
5	Space

#### 4.2.1.1.2. Country

The Country field is a 16-bit enumeration representing the country to which a particular platform's design is attributed. The defined values for this field are contained in Section 4.2.2

#### 4.2.1.1.3. Category

The Category field is an 8-bit enumeration. The field values for Land, Air, Surface, Subsurface and Space domains are given below.

##### 4.2.1.1.3.1. Land

Field Value	Description
0	Other
1	Tank
2	Armored Fighting Vehicle - (IFV, APC, SP mortars, armored cars, chemical reconnaissance, anti-tank guided missile launchers, etc.)
3	Armored Utility Vehicle - (Engineering vehicle, tracked load carriers, towing vehicles, recovery vehicles, AVLB, etc.)
4	Self-propelled Artillery - (guns and howitzers)
5	Towed Artillery - (anti-tank guns, guns and howitzers)
6	Small Wheeled Utility Vehicle - (0-1.25 tons)
7	Large Wheeled Utility Vehicle - (greater than 1.25 tons)
8	Small Tracked Utility Vehicle - (0-4999 kg weight load)
9	Large Tracked Utility Vehicle - (greater than 4999 kg weight load)
10	Mortar
11	Mine plow
12	Mine rake
13	Mine roller
14	Cargo trailer
15	Fuel trailer
16	Generator trailer
17	Water trailer
18	Engineer equipment
19	Heavy equipment transport trailer
20	Maintenance equipment trailer
21	Limber
22	Chemical decontamination trailer
23	Warning System
24	Train - Engine
25	Train - Car

Field Value	Description
26	Train - Caboose
27	Civilian Vehicle
28	Air Defense / Missile Defense Unit Equipment
29	Command, Control, Communications, and Intelligence (C3I) System
30	Operations Facility
31	Intelligence Facility
32	Surveillance Facility
33	Communications Facility
34	Command Facility
35	C4I Facility
36	Control Facility
37	Fire Control Facility
38	Missile Defense Facility
39	Field Command Post
40	Observation Post

## 4.2.1.1.3.2. Air

Field Value	Description
0	Other
1	Fighter/Air Defense
2	Attack/Strike
3	Bomber
4	Cargo/Tanker
5	ASW/Patrol/Observation
6	Electronic Warfare (EW)
7	Reconnaissance
8	Surveillance/C2 (Airborne Early Warning)
20	Attack Helicopter
21	Utility Helicopter
22	Antisubmarine Warfare/Patrol Helicopter
23	Cargo Helicopter
24	Observation Helicopter
25	Special Operations Helicopter
40	Trainer
50	Unmanned
57	Non-Combatant Commercial Aircraft

## 4.2.1.1.3.3. Surface

Field Value	Description
0	Other
1	Carrier
2	Command Ship/Cruiser
3	Guided Missile Cruiser
4	Guided Missile Destroyer (DDG)
5	Destroyer (DD)
6	Guided Missile Frigate (FFG)
7	Light/Patrol Craft
8	Mine Countermeasure Ship/Craft
9	Dock Landing Ship
10	Tank Landing Ship
11	Landing Craft
12	Light Carrier
13	Cruiser/Helicopter Carrier
14	Hydrofoil
15	Air Cushion/Surface Effect
16	Auxiliary
17	Auxiliary, Merchant Marine
18	Utility
50	Frigate (including Corvette)
51	Battleship
52	Heavy Cruiser
53	Destroyer Tender
54	Amphibious Assault Ship
55	Amphibious Cargo Ship
56	Amphibious Transport Dock
57	Ammunition Ship
58	Combat Stores Ship
59	Surveillance Towed Array Sonar System (SURTASS)
60	Fast Combat Support Ship
61	Non-Combatant Ship
62	Coast Guard Cutters
63	Coast Guard Boats

## 4.2.1.1.3.4. Subsurface

Field Value	Description
-------------	-------------



Field Value	Description
0	Other
1	SSBN (Nuclear Ballistic Missile)
2	SSGN (Nuclear Guided Missile)
3	SSN (Nuclear Attack - Torpedo)
4	SSG (Conventional Guided Missile)
5	SS (Conventional Attack - Torpedo, Patrol)
6	SSAN (Nuclear Auxiliary)
7	SSA (Conventional Auxiliary)

#### 4.2.1.1.3.5. Space

Field Value	Description
0	Other
1	Manned
2	Unmanned
3	Booster

### 4.2.1.2. Munition

The Munition kind includes entities such as missiles, ballistic rounds, bullets and torpedoes. Fields used to further describe munitions are detailed in the paragraphs that follow.

#### 4.2.1.2.1. Domain

The Domain field is an 8-bit enumeration reflecting a munition's normal role. The defined values for a munition's domain are:

Field Value	Description
0	Other
1	Anti-Air
2	Anti-Armor
3	Anti-Guided Weapon
4	Antiradar
5	Antisatellite
6	Antiship
7	Antisubmarine
8	Antipersonnel

Field Value	Description
9	Battlefield Support
10	Strategic
11	Tactical
12	Directed Energy (DE) Weapon

#### 4.2.1.2.2. Country

The Country field is a 16-bit enumeration representing the country to which a particular munition's design is attributed. The defined values for this field are contained in Section 4.2.2.

#### 4.2.1.2.3. Category

The Category field is an 8-bit enumeration. The field values for munitions of all domains are:

Field Value	Description
0	Other
1	Guided
2	Ballistic
3	Fixed

#### 4.2.1.2.4. Fuse and warhead

Munitions are further identified in the Detonation PDU in terms of their fuse and warhead. The values for these fields are contained in Section 5.1.2 and Section 5.1.1 respectively.

### 4.2.1.3. Life Form

The Life-Form kind refers to dismounted infantry, scouts, SEALs, or other humans, as well as animals like whales and shrimp. Life forms are treated similarly to platforms since they can move and (some) can fire munitions. Fields used to further define life forms are detailed in the paragraphs that follow.

#### 4.2.1.3.1. Domain

The Domain field is an 8-bit enumeration. The defined values for a life form's domain are identical to a platform's. See Section 4.2.1.1.1.

#### 4.2.1.3.2. Country

The Country field is a 16-bit enumeration defining a life form's country of origin. The defined values for this field are found in Section 4.2.2.

#### 4.2.1.3.3. Specific Life-Form definition

The remaining fields of the Entity-Type record further define all life forms. The Subcategory field specifying the number of individuals allows representation of one or more life forms using one PDU.

##### 4.2.1.3.3.1. Subcategory

This section defines the weapons that may be carried by life forms.

##### 4.2.1.3.3.1.1. U.S. Weapons for Life Forms

Field Value	Description
1	Assault machine pistol, KF-AMP
2	Automatic model 1911A1 .45
3	Combat Master Mark VI .45, Detronics
4	De-cocker KP90DC .45
5	De-cocker KP91DC .40
6	General officer's Model 15 .45
7	Nova 9-mm, LaFrance
8	Personal Defense Weapon MP5K-PDW 9-mm
9	Silenced Colt .45, LaFrance
10	5900-series 9-mm, Smith & Wesson (S&W)
11	M9
12	Model 1911A1, Springfield Armory
13	Model 2000 9-mm
14	P-9 9-mm, Springfield Armory
15	P-12 9-mm
16	P-85 Mark II 9-mm, Ruger
17	Advanced Combat Rifle 5.56-mm, AAI
18	Commando assault rifle, Model 733 5.56-mm, Colt
19	Infantry rifle, Mini-14/20 GB 5.56-mm, Ruger
20	Mini-14 5.56-mm, Ruger
21	Mini Thirty 7.62-mm, Ruger
22	Semi-automatic model 82A2 .50, Barrett
23	Sniper Weapon System M24 7.62-mm

Field Value	Description
24	Sniping rifle M21, Springfield Armory
25	Sniping rifle M40A1 7.62-mm
26	Sniping rifle M600 7.62-mm
27	AR-15 (M16) 5.56-mm
28	M1 .30
29	M14 7.62-mm, NATO
30	M14 (M1A, M1A1-A1), Springfield Armory
31	M14K assault rifle, LaFrance
32	M16A2 assault rifle 5.56-mm, Colt
33	M21 7.62-mm, U.S.
34	M77 Mark II 5.56-mm, Ruger
35	M77V 7.62-mm, Ruger
36	S-16 7.62 x 36-mm, Grendel
37	SAR-8 7.62-mm
38	SAR-4800 7.62-mm
39	Assault carbine M16K, LaFrance
40	M1 .30
41	M4 (Model 720) 5.56-mm, Colt
42	M-900 9-mm, Calico
43	AC-556F 5.56-mm, Ruger
44	M3 .45
45	M11, Cobray
46	M951 9-mm, Calico
47	MP5/10 10-mm
48	9-mm, Colt
49	Ingram
50	Externally powered (EPG) 7.62-mm, Ares
51	GECAL 50
52	General purpose M60 7.62-mm
53	Heavy M2HB-QCB .50, RAMO
54	Light assault M60E3 (Enhanced) 7.62-mm
55	Light M16A2 5.56-mm, Colt
56	Light 5.56-mm, Ares
57	Lightweight M2 .50, RAMO
58	Lightweight assault M60E3 7.62-mm
59	Minigun M134 7.62-mm, General Electric
60	MG system MK19 Mod 3, 40-mm
61	MG system (or kit) M2HB QCB .50, Saco Defense
62	M1919A4 .30-cal, Browning

Field Value	Description
63	.50-cal, Browning
64	Colored-smoke hand grenade M18
65	Colored-smoke grenades, Federal Laboratories
66	Infrared smoke grenade M76
67	Smoke hand grenade AN-M8 HC
68	Delay fragmentation hand grenade M61
69	Delay fragmentation hand grenade M67
70	Impact fragmentation hand grenade M57
71	Impact fragmentation hand grenade M68
72	Incendiary hand grenade AN-M14 TH3
73	Launcher I-M203 40-mm
74	Launcher M79 40-mm
75	Multiple grenade launcher MM-1 40-mm
76	Multi-shot portable flame weapon M202A2 66-mm
77	Portable ABC-M9-7
78	Portable M2A1-7
79	Portable M9E1-7
80	Dragon medium anti-armor missile, M47, FGM-77A
81	Javelin AAWS-M
82	Light Antitank Weapon M72 (LAW II)
83	Redeye, FIM-43, General Dynamics
84	Saber dual-purpose missile system
85	Stinger, FIM-92, General Dynamics
86	TOW heavy antitank weapon
87	Bear Trap AP device, Pancor
88	Chain Gun automatic weapon EX-34 7.62-mm
89	Close Assault Weapon System (CAWS), AAI
90	CAWS, Olin/Heckler and Koch
91	Crossfire SAM Model 88
92	Dragon and M16
93	Firing port weapon M231, 5.56-mm, Colt
94	Foxhole Digger Explosive Kit (EXFODA)
95	Infantry Support Weapon ASP-30 {RM} 30-mm
96	Jackhammer Mk 3-A2, Pancor
97	Light anti-armor weapon M136 (AT4)
98	M26A2
99	Master Key S
100	Minigun 5.56-mm
101	Multipurpose Individual Munition (MPIM), Marquardt

Field Value	Description
102	Multipurpose weapon AT8
103	Recoilless rifle M40, M40A2, and M40A4; 106-mm
104	Recoilless rifle M67, 90-mm
105	Revolver, SP 101
106	Revolver, Super Redhawk .44 magnum, Ruger
107	RAW rocket, 140-mm, Brunswick
108	Rifle-launcher Anti-Armor Munition (RAAM), Olin
109	Rocket launcher M-20 3.5-in
110	Rocket launcher, Enhanced M72 "E series" HEAT, 66-mm
111	Selective fire weapon AC-556 5.56-mm, Ruger
112	Selective fire weapon AC-556F 5.56-mm, Ruger
113	Shotgun M870 Mk 1 (U.S. Marine Corps), Remington
114	SMAW Mk 193, 83-mm, McDonnell-Douglas
115	SMAW-D: Disposable SMAW
116	Squad Automatic Weapon (SAW) M249 5.56-mm
117	Tactical Support Weapon 50/12, .50-cal, Peregrine
118	Telescoped Ammunition Revolver Gun (TARG) .50-cal, Ares
119	Ultimate over-under combination, Ciener
120	M18A1 Claymore mine
121	Mortar 81-mm
134	Machinegun M240 7.62mm

#### 4.2.1.3.3.1.2. C.I.S Weapons for Life Forms

Field Value	Description
201	Automatic (APS) 9-mm, Stechkin
202	PSM 5.45-mm
203	Self-loading (PM) 9-mm, Makarov
204	TT-33 7.62-mm, Tokarev
205	Assault rifle AK and AKM, 7.62-mm
206	Assault rifle AK-74 and AKS-74, 5.45-mm
207	Self-loading rifle (SKS), 7.62-mm, Simonov
208	Sniper rifle SVD 7.62-mm, Dragunov
209	AKSU-74 5.45-mm
210	PPS-43 7.62-mm
211	PPSh-41 7.62-mm
212	General purpose PK 7.62-mm
213	Heavy DShK-38 and Model 38/46 12.7-mm, Degtyarev

Field Value	Description
214	Heavy NSV 12.7-mm
215	Light RPD 7.62-mm
216	Light RPK 7.62-mm
217	Light RPK-74 5.45-mm
218	Hand grenade M75
219	Hand grenade RGD-5
220	AP hand grenade F1
221	AT hand grenade RKG-3
222	AT hand grenade RKG-3M
223	AT hand grenade RKG-3T
224	Fragmentation hand grenade RGN
225	Fragmentation hand grenade RGO
226	Smoke hand grenade RDG-1
227	Plamya launcher, 30-mm AGS-17
228	Rifle-mounted launcher, BG-15 40-mm
229	LPO-50
230	ROKS-3
231	Cart-mounted TPO-50
232	Gimlet SA-16
233	Grail SA-7
234	Gremlin SA-14
235	Sagger AT-3 (MCLOS)
236	Saxhorn AT-7
237	Spigot A/B AT-14
238	SA-18
239	SA-19
240	Grad-1P manportable tripod rocket launcher, 122-mm (for Spesnatz and other specialists; aka 9P132)
241	Light anti-armor weapon RPG-18
242	Light antitank weapon RPG-22
243	MG & RPG
244	Portable rocket launcher RPG-16
245	Recoilless gun 73-mm SPG-9
246	VAT rocket launcher RPG-7
248	Mon-50 antipersonnel mine

#### 4.2.1.3.3.1.3. U.K. Weapons for Life Forms

Field Value	Description
-------------	-------------

Field Value	Description
1	LAW 80
2	Blowpipe
3	Javelin
4	51-mm mortar
5	SLR 7.62-mm rifle
6	Sterling 9-mm submachine gun
7	L7A2 general purpose MG
8	L6 Wombat Recoilless rifle,
9	Carl Gustav 89-mm recoilless rifle
10	SA80 Individual/light support weapon
11	Trigat
12	Milan AT missile

#### 4.2.1.3.3.1.4. French Weapons for Life Forms

Field Value	Description
1	ACL-STRIM
2	Mistral missile
3	Milan AT missile
4	LRAC F1 89-mm AT rocket launcher
5	FA-MAS rifle
6	AA-52 machine gun
7	58-mm rifle grenade
8	FR-F1 sniper rifle

#### 4.2.1.3.3.1.5. German Weapons for Life Forms

Field Value	Description
1	G3 rifle
2	G11 rifle
3	P1 pistol
4	MG3 machine gun
5	Milan missile
6	MP1 Uzi submachine gun
7	Panzerfaust 3 Light Anti-Tank Weapon
8	DM19 hand grenade
9	DM29 hand grenade



#### 4.2.1.4. Environmental

The Environmental kind refers to entities in the usual physical-object sense, e.g. clouds and ice bergs, as well as inherent characteristics of a particular environment, such as sea state or transmissivity profile. Fields used to further describe environmental entities are detailed in the paragraphs that follow.

##### 4.2.1.4.1. Domain

The Domain field is an 8-bit enumeration. The defined values for Environmental domain are identical to a platform's. See Section 4.2.1.1.1.

##### 4.2.1.4.2. Country

The Country field is unused.

##### 4.2.1.4.3. Specific Environmental definition

The remaining fields of the Entity-Type record further define all environmentals. The Subcategory field defines the size of the environmental entity.

##### 4.2.1.4.3.1. Subcategory

For environmental entities the Subcategory field indicates the entity's size, with the following enumerated values:

Field Value	Description
0	Other
20	Very Small
40	Small
60	Medium
80	Large
100	Very Large

#### 4.2.1.5. Cultural Feature

The Cultural-Feature kind refers to engineering and natural effects such as craters, bridges, vehicle tracks, etc. Fields used to further describe cultural features are detailed in the paragraphs that follow.

#### *4.2.1.5.1. Domain*

The Domain field is an 8-bit enumeration. The defined values for a cultural feature's domain are identical to a platform's. See Section 4.2.1.1.1.

#### *4.2.1.5.2. Country*

The Country field is unused.

#### *4.2.1.5.3. Specific Cultural-Feature definition*

The remaining fields of the Entity-Type record further define all cultural features.

### **4.2.1.6. Supply**

The Supply kind refers to supplies other than munitions, such as fuel, food and personnel. Fields used to further describe supplies are detailed in the paragraphs that follow.

#### *4.2.1.6.1. Domain*

The Domain field is unused.

#### *4.2.1.6.2. Country*

The Country field is unused.

#### *4.2.1.6.3. Specific Supply definition*

The remaining fields of the Entity-Type record further define all supplies.

### **4.2.1.7. Radio**

The Radio kind refers to electronic devices for the communication of both audio and data. Fields used to further describe radios are detailed in the paragraphs that follow.

#### 4.2.1.7.1. Domain

The Domain field is an 8-bit enumeration. The value is based on the operating domain of the platform carrying the radio. Specific enumerations are defined in Section 4.2.1.1.1.

#### 4.2.1.7.2. Country

The Country field is a 16-bit enumeration defining the radio's country of origin. The defined values for this field are found in Section 4.2.2.

#### 4.2.1.7.3. Category

The Category field is an 8-bit enumeration. The Category field is based on the primary information type broadcast/received by the radio when in operation. The defined values for all domains are as follows:

Field Value	Description
0	Other
1	Voice Transmission/Reception
2	Data Link Transmission/Reception
3	Voice and Data Link Transmission/Reception
4	Instrumented Landing System (ILS) Glideslope Transmitter
5	Instrumented Landing System (ILS) Localizer Transmitter
6	Instrumented Landing System (ILS) Outer Marker Beacon
7	Instrumented Landing System (ILS) Middle Marker Beacon
8	Instrumented Landing System (ILS) Inner Marker Beacon
9	Instrumented Landing System (ILS) Receiver (Platform Radio)
10	Tactical Air Navigation (TACAN) Transmitter (Ground Fixed Equipment)
11	Tactical Air Navigation (TACAN) Receiver (Moving Platform Equipment)
12	Tactical Air Navigation (TACAN) Transmitter/Receiver (Moving Platform Equipment)
13	Variable Omni-Ranging (VOR) Transmitter (Ground Fixed Equipment)
14	Variable Omni-Ranging (VOR) with Distance Measuring Equipment (DME) Transmitter (Ground Fixed Equipment)
15	Combined VOR/ILS Receiver (Moving Platform Equipment)
16	Combined VOR & TACAN (VORTAC) Transmitter
17	Non-Directional Beacon (NDB) Transmitter
18	Non-Directional Beacon (NDB) Receiver
19	Non-Directional Beacon (NDB) with Distance Measuring Equipment (DME) Transmitter
20	Distance Measuring Equipment (DME)

#### 4.2.1.7.4. Nomenclature Version

The Nomenclature Version field is an 8-bit enumeration. The field indicates the naming convention applied to the radio system by the manufacturer/controlling agency. The defined values are as follows:

Field Value	Description
0	Other
1	Joint Electronics Type Designation System (JETDS) Nomenclature (AN/ per Mil-STD-196)
2	Manufacturer Designation
3	National Designation

#### 4.2.1.7.5. Nomenclature

The Nomenclature field is a 16-bit enumeration. The field indicates the specific radio system. The defined values are as follows:

Field Value	Description
0	Other
1	AN/ARN-118
2	AN/ARN-139
3	Generic Ground Fixed Transmitter
4	Generic Ground Mobile Transmitter

### 4.2.1.8. Expendable

The Expendable kind refers to countermeasures devices that are dispensed from another entity. The devices may be active emitters or passive reflectors of energy. Fields used to further describe expendable entities are detailed in the paragraphs which follow.

#### 4.2.1.8.1. Domain

The Domain field is an 8-bit enumeration. The defined values for an expendable's domain are identical to a platform's. See Section 4.2.1.1.1.

#### 4.2.1.8.2. Country

The Country field is a 16-bit enumeration defining the expendable's country of origin. The defined values for this field are found in Section 4.2.2.

**4.2.1.8.3. Category**

The Category field is an 8-bit enumeration. The field values for expendables for Air, Surface, and Subsurface domains are given below.

**4.2.1.8.3.1. Air**

Field Value	Description
0	Other
1	Chaff
2	Flare
3	Combined chaff and flare
4	Active emitter
5	Passive decoy
6	Winged decoy

**4.2.1.8.3.2. Surface**

Field Value	Description
0	Other
2	Flare
4	Active emitter
5	Passive decoy

**4.2.1.8.3.3. Subsurface**

Field Value	Description
0	Other
4	Active emitter
5	Passive decoy

**4.2.1.9. Sensor/Emitter**

The Sensor/Emitter kind refers to sensors and emitters, such as stand-alone radars, jammers, and detection systems, that are not part of another platform or system described by another Entity Kind. Fields used to further describe sensors/emitters are detailed in the paragraphs that follow.

*4.2.1.9.1. Domain*

The Domain field is an 8-bit enumeration. The defined values for a sensor/emitter's domain are identical to a platform's. See Section 4.2.1.1.1.

*4.2.1.9.2. Country*

The Country field is a 16-bit enumeration defining a sensor/emitter's country of origin. The defined values for this field are found in Section 4.2.2.

*4.2.1.9.3. Category*

The Category field is an 8-bit enumeration. The defined values for this field for all domains are:

Field Value	Description
0	Other
1	Multi-spectral
2	RF Active
3	RF Passive (intercept and DF)
4	Optical (direct viewing with or without optics)
5	Electro-Optical
6	Seismic
7	Chemical, point detector
8	Chemical, standoff
9	Thermal (temperature sensing)
10	Acoustic, Active
11	Acoustic, Passive
12	Contact/Pressure (physical, hydrostatic, barometric)
13	Electro-Magnetic Radiation (gamma radiation)
14	Particle Radiation (Neutrons, alpha, beta particles)
15	Magnetic
16	Gravitational

*4.2.1.9.4. Subcategory*

The Subcategory-field is an 8-bit enumeration. The defined values for this field for all domains can be found in Section 8.1.2.

## 4.2.2. Country

This section specifies the 16-bit enumeration for the Country field.

Field Value	Description
0	Other
1	Afghanistan
2	Albania
3	Algeria
4	American Samoa (United States)
5	Andorra
6	Angola
7	Anguilla
8	Antarctica (International)
9	Antigua and Barbuda
10	Argentina
244	Armenia
11	Aruba
12	Ashmore and Cartier Islands (Australia)
13	Australia
14	Austria
245	Azerbaijan
15	Bahamas
16	Bahrain
17	Baker Island (United States)
18	Bangladesh
19	Barbados
20	Bassas da India (France)
246	Belarus
21	Belgium
22	Belize
23	Benin (aka Dahomey)
24	Bermuda (United Kingdom)
25	Bhutan
26	Bolivia
247	Bosnia and Hercegovina
27	Botswana
28	Bouvet Island (Norway)
29	Brazil
30	British Indian Ocean Territory (United Kingdom)

Field Value	Description
31	British Virgin Islands (United Kingdom)
32	Brunei
33	Bulgaria
34	Burkina (aka Burkina Faso or Upper Volta)
35	Burma (Myanmar)
36	Burundi
37	Cambodia (aka Kampuchea)
38	Cameroon
39	Canada
40	Cape Verde, Republic of
41	Cayman Islands (United Kingdom)
42	Central African Republic
43	Chad
44	Chile
45	China, People's Republic of
46	Christmas Island (Australia)
248	Clipperton Island (France)
47	Cocos (Keeling) Islands (Australia)
48	Colombia
222	Commonwealth of Independent States
49	Comoros
50	Congo, Republic of
51	Cook Islands (New Zealand)
52	Coral Sea Islands (Australia)
53	Costa Rica
107	(Cote D'Ivoire (aka Ivory Coast)
249	Croatia
54	Cuba
55	Cyprus
56	Czechoslovakia (separating into Czech Republic and Slovak Republic)
23	Dahomey (aka Benin)
57	Denmark
58	Djibouti
59	Dominica
60	Dominican Republic
61	Ecuador
62	Egypt
63	El Salvador
64	Equatorial Guinea



Field Value	Description
250	Estonia
65	Ethiopia
66	Europa Island (France)
67	Falkland Islands (aka Islas Malvinas) (United Kingdom)
68	Faroe Islands (Denmark)
69	Fiji
70	Finland
71	France
72	French Guiana (France)
73	French Polynesia (France)
74	French Southern and Antarctic Islands (France)
75	Gabon
76	Gambia, The
77	Gaza Strip (Israel)
251	Georgia
78	Germany
79	Ghana
80	Gibraltar (United Kingdom)
81	Glorioso Islands (France)
82	Greece
83	Greenland (Denmark)
84	Grenada
85	Guadaloupe (France)
86	Guam (United States)
87	Guatemala
88	Guernsey (United Kingdom)
89	Guinea
90	Guinea- Bissau
91	Guyana
92	Haiti
93	Heard Island and McDonald Islands (Australia)
94	Honduras
95	Hong Kong (United Kingdom)
96	Howland Island (United States)
97	Hungary
98	Iceland
99	India
100	Indonesia
101	Iran

Field Value	Description
102	Iraq
104	Ireland
105	Israel
106	Italy
107	Ivory Coast (aka Cote D'Ivoire)
108	Jamaica
109	Jan Mayen (Norway)
110	Japan
111	Jarvis Island (United States)
112	Jersey (United Kingdom)
113	Johnston Atoll (United States)
114	Jordan
115	Juan de Nova Island
252	Kazakhstan
116	Kenya
117	Kingman Reef (United States)
118	Kiribati
119	Korea, Democratic People's Republic of (North)
120	Korea, Republic of (South)
121	Kuwait
253	Kyrgyzstan
122	Laos
254	Latvia
123	Lebanon
124	Lesotho
125	Liberia
126	Libya
127	Liechtenstein
255	Lithuania
128	Luxembourg
130	Macau (Portugal)
256	Macedonia
129	Madagascar
131	Malawi
132	Malaysia
133	Maldives
134	Mali
135	Malta
136	Man, Isle of (United Kingdom)

Field Value	Description
137	Marshall Islands
138	Martinique (France)
139	Mauritania
140	Mauritius
141	Mayotte (France)
142	Mexico
143	Micronesia, Federative States of
257	Midway Islands (United States)
258	Moldova
144	Monaco
145	Mongolia
259	Montenegro
146	Montserrat (United Kingdom)
147	Morocco
148	Mozambique
35	Myanmar (aka Burma)
149	Namibia (South West Africa)
150	Nauru
151	Navassa Island (United States)
152	Nepal
153	Netherlands
154	Netherlands Antilles (Curacao, Bonaire, Saba, Sint Maarten Sint Eustatius)
155	New Caledonia (France)
156	New Zealand
157	Nicaragua
158	Niger
159	Nigeria
160	Niue (New Zealand)
161	Norfolk Island (Australia)
162	Northern Mariana Islands (United States)
163	Norway
164	Oman
216	Pacific Islands, Trust Territory of the (Palau)
165	Pakistan
166	Palmyra Atoll (United States)
168	Panama
169	Papua New Guinea
170	Paracel Islands (International - Occupied by China, also claimed by Taiwan and Vietnam)

Field Value	Description
171	Paraguay
172	Peru
173	Philippines
174	Pitcairn Islands (United Kingdom)
175	Poland
176	Portugal
177	Puerto Rico (United States)
178	Qatar
179	Reunion (France)
180	Romania
260	Russia
181	Rwanda
183	St. Helena (United Kingdom)
184	St. Lucia
186	St. Vincent and the Grenadines
182	St. Kitts and Nevis
185	St. Pierre and Miquelon (France)
187	San Marino
188	Sao Tome and Principe
189	Saudi Arabia
190	Senegal
261	Serbia and Montenegro (Montenegro to separate)
191	Seychelles
192	Sierra Leone
193	Singapore
262	Slovenia
194	Solomon Islands
195	Somalia
197	South Africa
196	South Georgia and the South Sandwich Islands (United Kingdom)
198	Spain
199	Spratly Islands (International - parts occupied and claimed by China, Malaysia, Philippines, Taiwan, Vietnam)
200	Sri Lanka
201	Sudan
202	Suriname
203	Svalbard (Norway)
204	Swaziland
205	Sweden

Field Value	Description
206	Switzerland
207	Syria
208	Taiwan
263	Tajikistan
209	Tanzania
210	Thailand
211	Togo
212	Tokelau (New Zealand)
213	Tonga
214	Trinidad and Tobago
215	Tromelin Island (France)
217	Tunisia
218	Turkey
264	Turkmenistan
219	Turks and Caicos Islands (United Kingdom)
220	Tuvalu
221	Uganda
265	Ukraine
223	United Arab Emirates
224	United Kingdom
225	United States
34	Upper Volta (aka Burkina or Burkina Faso)
226	Uruguay
266	Uzbekistan
227	Vanuatu
228	Vatican City (Holy See)
229	Venezuela
230	Vietnam
231	Virgin Islands (United States)
232	Wake Island (United States)
233	Wallis and Futuna (France)
235	West Bank (Israel)
234	Western Sahara
236	Western Samoa
237	Yemen
240	Serbia and Montenegro
241	Zaire
242	Zambia
243	Zimbabwe

### 4.2.3. Comprehensive Entity-Type tables

The following tables list the correct field values of the Entity-Type record for many specific entities in a typical DIS exercise. The header on each page contains the Kind-, Domain-, and Country-field values for all entities on that page, as specified in Section 4.2.1. The remaining field values (Category, Subcategory, Specific) are nested in numerical order (with occasional exceptions due to correction or update) with specific definitions appropriate to the entity's kind, domain, and country. The value of zero used in a category, subcategory, or specific field in this enumerations in this section and associated subsections shall mean .other. in all cases whether explicitly stated or not. Any unused field shall be 0-filled.

#### 4.2.3.1. United States Platform

##### 4.2.3.1.1. Land

Field Value	Description
1.1.225	
1.1.225.0	Other
1.1.225.0.0	Miscellaneous guns
1.1.225.0.0.1	M901 40-mm machine gun
1.1.225.0.0.2	(deleted)
1.1.225.0.0.3	Liquid propellant guns
1.1.225.0.0.4	Phalanx (Close-In Weapons Systems (CIWS) Mk15)
1.1.225.0.2	Grenade launchers
1.1.225.0.2.1	Mk 19 40-mm
1.1.225.0.2.2	Brunswick Multisalvo Smoke Grenade Launcher
1.1.225.0.2.3	Tracor Aerospace Advanced Smoke Launcher System
1.1.225.0.3	Other missile systems
1.1.225.0.3.1	McDonnell-Douglas Harpoon Coastal Defense System
1.1.225.0.4	Bridges
1.1.225.0.4.1	Trailer Launched Bridge (TLB)
1.1.225.0.4.2	Mobile assault bridge
1.1.225.0.4.3	M60 bridge
1.1.225.0.5	Command Post
1.1.225.1	Tank
1.1.225.1.1	M1 Abrams
1.1.225.1.1.1	M1 Abrams
1.1.225.1.1.2	M1A1 Abrams
1.1.225.1.1.3	M1A2
1.1.225.1.1.4	M1A1 w/ mine rollers
1.1.225.1.1.5	M1A1 w/ mine plows

Field Value	Description
1.1.225.1.1.6	M1A1 w/ DU armor
1.1.225.1.1.7	M1A2 w/ Combat Vehicle Command and Control (CVCC)
1.1.225.1.1.8	M1A2 SEP
1.1.225.1.1.9	M1A1D
1.1.225.1.2	M60 Main Battle Tank (MBT)
1.1.225.1.2.1	M60A3
1.1.225.1.2.2	M60A1
1.1.225.1.2.3	(deleted)
1.1.225.1.2.4	M60A1 with ERA
1.1.225.1.3	M551 Sheridan light tank/reconnaissance vehicle
1.1.225.1.3.1	M551A1
1.1.225.1.4	M48 medium tank
1.1.225.1.4.1	M48C
1.1.225.1.4.2	M48A1
1.1.225.1.4.3	M48A2
1.1.225.1.4.4	M48A2C
1.1.225.1.4.5	M48A3
1.1.225.1.4.6	M48A4
1.1.225.1.4.7	M48A5
1.1.225.1.4.8	M48H
1.1.225.1.4.9	M48 AVLB
1.1.225.1.4.10	M48 ARV
1.1.225.1.4.11	M48 mine clearing vehicle
1.1.225.1.4.12	M48A2GA2
1.1.225.1.4.13	M48A5E
1.1.225.1.5	M47 medium tank
1.1.225.1.5.1	M47
1.1.225.1.5.2	M47M
1.1.225.1.5.3	GLS M47 ARV
1.1.225.1.6	M41 light tank
1.1.225.1.6.1	M41C
1.1.225.1.6.2	M41E W/8V-71T Engine
1.1.225.1.6.3	QM41
1.1.225.1.6.4	M41B
1.1.225.1.6.5	(deleted)
1.1.225.1.6.6	M41 German Tank Improvement (GTI)
1.1.225.1.7	Cadillac Gage Commando Stingray light tank
1.1.225.1.8	FMC Close Combat Vehicle Light VFM 5 tank

Field Value	Description
1.1.225.1.9	AAI Rapid Deployment Force Light Tank (RDF/LT) Combined Arms Team/Lightweight Combat Vehicle (CAT/LCV)
1.1.225.1.9.1	Prototype
1.1.225.1.10	Teledyne Continental Armored Gun System
1.1.225.1.11	FCS Mounted Combat System
1.1.225.2	Armored fighting vehicle
1.1.225.2.1	FMC M2/M3 Bradley
1.1.225.2.1.1	M2A2 Bradley Infantry Fighting Vehicle (IFV)
1.1.225.2.1.2	M3A2 Bradley Cavalry Fighting Vehicle (CFV)
1.1.225.2.1.3	FMC Bradley IFV
1.1.225.2.1.4	M2 Bradley IFV
1.1.225.2.1.5	M2A1 Bradley IFV
1.1.225.2.1.6	M3 Bradley CFV
1.1.225.2.1.7	M3A1 Bradley CFV
1.1.225.2.1.8	M7 BFIST
1.1.225.2.1.9	M2A3 Bradley IFV
1.1.225.2.1.10	M3A3 Bradley CFV
1.1.225.2.1.11	M2A2ODS Bradley IFV
1.1.225.2.3	FMC M113 Armored Personnel Carrier (APC)
1.1.225.2.3.1	M113A2
1.1.225.2.3.2	M113A3
1.1.225.2.3.3	M113A3 w/ M105 trailer
1.1.225.2.3.4	(deleted)
1.1.225.2.3.5	(deleted)
1.1.225.2.3.6	M113A1 Improved TOW Vehicle (ITV)
1.1.225.2.3.7	M113A1 TOW
1.1.225.2.3.8	M113A2 ITV
1.1.225.2.3.9	M113A2 TOW
1.1.225.2.3.10	M730 Chaparral Surface-to-Air Missile (SAM) launcher
1.1.225.2.3.11	M113
1.1.225.2.3.12	M113A1
1.1.225.2.3.13	M113A1R
1.1.225.2.3.14	M113A2DR
1.1.225.2.3.15	M113A2H
1.1.225.2.3.16	M113A2IT
1.1.225.2.3.17	M113A2MK
1.1.225.2.3.18	M113A2R
1.1.225.2.3.19	M132/M132A1 Flamethrower
1.1.225.2.3.20	M667



Field Value	Description
1.1.225.2.3.21	(deleted)
1.1.225.2.3.22	(deleted)
1.1.225.2.3.23	M741
1.1.225.2.3.24	M741A1
1.1.225.2.3.25	M741A2
1.1.225.2.3.26	RTL
1.1.225.2.3.27	XM474
1.1.225.2.3.28	XM474E2
1.1.225.2.3.29	XM667E1
1.1.225.2.3.30	XM727
1.1.225.2.3.31	(deleted)
1.1.225.2.3.32	XM741
1.1.225.2.3.33	XM806E1
1.1.225.2.3.34	XM806E2
1.1.225.2.5	Light Armored Vehicle (LAV) TOW
1.1.225.2.5.1	FIST
1.1.225.2.5.2	MGS
1.1.225.2.5.3	ATGM
1.1.225.2.5.4	Ambulance
1.1.225.2.5.5	Medical Team
1.1.225.2.5.6	PROPHET
1.1.225.2.5.7	REMBASS/GSR
1.1.225.2.5.8	NBC
1.1.225.2.5.9	155SP HOW
1.1.225.2.5.10	Plow
1.1.225.2.5.11	Roller
1.1.225.2.5.12	Wrecker
1.1.225.2.5.13	Logistics
1.1.225.2.5.14	Reconnaissance Vehicle
1.1.225.2.5.15	Command and Control TOC Vehicle
1.1.225.2.5.16	Mortar Carrier
1.1.225.2.5.17	Striker/Fire Support Team Vehicle
1.1.225.2.5.18	Stryker Personnel Carrier w/MK 19 mod 3 40-mm grenade launcher
1.1.225.2.5.19	Stryker Personnel Carrier w/M2 .50 cal heavy machine gun
1.1.225.2.5.20	Stryker Personnel Carrier w/MK 240 7.62 mm machine gun
1.1.225.2.5.21	Stryker Personnel Carrier w/automatic cannon
1.1.225.2.5.22	Stryker Mobile Gun System w/M68A1E4 105-mm cannon; MK 240 7.62 mm co-axial machine gun; and M2 .50 cal heavy machine gun
1.1.225.2.5.23	Stryker Reconnaissance Vehicle w/MK 240 7.62-mm machine gun

Field Value	Description
1.1.225.2.5.24	Stryker Mortar Carrier w/120-mm mortar
1.1.225.2.5.25	Stryker Mortar Carrier w/81-mm mortar
1.1.225.2.5.26	Stryker Mortar Carrier w/60-mm mortar
1.1.225.2.5.27	Stryker Command Vehicle w/MK 240 7.62-mm machine gun
1.1.225.2.5.28	Stryker Fire Support w/ MK 240 7.62-mm machine gun
1.1.225.2.5.29	Stryker Engineer w/MK 240 7.62-mm machine gun
1.1.225.2.5.30	Stryker Ambulance
1.1.225.2.5.31	Stryker Anti-tank Guided Missile
1.1.225.2.5.32	Stryker NBC Reconnaissance w/240 7.62-mm machine gun
1.1.225.2.6	FMC Armored IFV
1.1.225.2.6.1	YPR 765 PRI
1.1.225.2.6.2	YPR 765 PRCO-B command vehicle
1.1.225.2.6.3	YPR 765 PRCO-C1 to C5
1.1.225.2.6.4	YPR 765 PRRDR radar vehicle
1.1.225.2.6.5	YPR 765 PRRDR-C radar/command vehicle
1.1.225.2.6.6	YPR 765 PRGWT ambulance
1.1.225.2.6.7	YPR 765 PRI/I
1.1.225.2.6.8	YPR 765 PRMR mortar tractor
1.1.225.2.6.9	YPR 765 PRVR-A cargo vehicle
1.1.225.2.6.10	YPR 765 PRVR-B cargo vehicle
1.1.225.2.6.11	YPR 765 PRAT
1.1.225.2.7	FMC Lynx (or M113) Command and Reconnaissance Vehicle
1.1.225.2.8	M981 FIST-V
1.1.225.2.9	M106 mortar carrier
1.1.225.2.9.1	M106 107-mm
1.1.225.2.9.2	M106A1 107-mm
1.1.225.2.9.3	M106A2 107-mm
1.1.225.2.9.4	M106A 120-mm
1.1.225.2.10	Electronics & Space Corp M901 ITV
1.1.225.2.10.1	M901
1.1.225.2.10.2	M901A1
1.1.225.2.11	M125 81-mm mortar carrier
1.1.225.2.11.1	M125A1
1.1.225.2.11.2	M125A2
1.1.225.2.12	Cadillac Gage V-600 Armored Car
1.1.225.2.13	Cadillac Gage LAV Assault Gun LAV-105
1.1.225.2.14	(deleted)
1.1.225.2.15	LAV-105
1.1.225.2.16	Chrysler MAC-1 armored car

Field Value	Description
1.1.225.2.17	Cadillac Gage Commando Scout
1.1.225.2.18	Cadillac Gage Commando V-300
1.1.225.2.18.1	V-300 w/ TOW
1.1.225.2.18.2	V-300 w/ 81-mm mortar
1.1.225.2.18.3	V-300 ambulance
1.1.225.2.19	Cadillac Gage Commando V-150
1.1.225.2.19.1	Commando w/ MG turret
1.1.225.2.19.2	Commando w/ 1-m MG turret
1.1.225.2.19.3	Commando w/ 1-m 20-mm turret
1.1.225.2.19.4	Commando w/ 20-mm turret
1.1.225.2.19.5	Commando w/ 25-mm turret
1.1.225.2.19.6	Commando w/ 40-mm/12.7-mm turret
1.1.225.2.19.7	Commando V-150 S
1.1.225.2.19.8	Commando air defense vehicle
1.1.225.2.19.9	Commando with 76-mm turret-mounted gun
1.1.225.2.19.10	Commando with 90-mm turret-mounted gun
1.1.225.2.19.11	Commando with 81-mm mortar
1.1.225.2.19.12	Commando with TOW
1.1.225.2.19.13	Commando command vehicle
1.1.225.2.19.14	Base security vehicle
1.1.225.2.19.15	Malaysian upgraded V-150 Commando
1.1.225.2.20	AV Technology Corporation Dragoon
1.1.225.2.20.1	APC
1.1.225.2.20.2	ASV-XC extended cab
1.1.225.2.20.3	Dragoon Armored Command Vehicle (ACV)
1.1.225.2.20.4	Dragoon Armored Mortar Carrier (AMC)
1.1.225.2.20.5	Dragoon TOW Carrier
1.1.225.2.21	Half-track APCs
1.1.225.2.22	Cadillac Gage Commando Ranger APC
1.1.225.2.23	Vehicle Sys Development Corp Lancer Armored Patrol Vehicle (APV)
1.1.225.2.24	AAI Propulsion System Demonstrator Amphibious Assault Vehicle (AAV)
1.1.225.2.25	Advanced AAV
1.1.225.2.26	FMC AAV7A1 (LVTP7A1)
1.1.225.2.26.1	AAVC7A1 command vehicle
1.1.225.2.26.2	AAVR7A1 recovery vehicle
1.1.225.2.26.3	AAV7A1 with mine plow
1.1.225.2.26.4	AAV7A1 with VEMASID
1.1.225.2.26.5	AAV7A1 with mine-clearance-system kit
1.1.225.2.26.6	AAVP7A1

Field Value	Description
1.1.225.2.27	LVTP5A1 Armored AAV
1.1.225.2.27.1	LVTC5 (Command, Model 5)
1.1.225.2.27.2	LVTE1 (Engineer, Model 1)
1.1.225.2.27.3	LVTH6 (Howitzer, Model 6)
1.1.225.2.27.4	LVTR1 (Recovery, Model 1)
1.1.225.2.28	Composite Armored Vehicle (CAV)
1.1.225.2.29	(deleted)
1.1.225.2.30	M93 Armored Reconnaissance Vehicle
1.1.225.2.31	M1117 Armored Security Vehicle
1.1.225.2.32	FCS Infantry Combat Vehicle
1.1.225.2.33	FCS Armed Robotic Vehicle - RSTA
1.1.225.2.34	FCS Armed Robotic Vehicle - Assault
1.1.225.2.35	FCS Armed Robotic Vehicle - Light
1.1.225.2.36	FCS Recon and Surveillance Vehicle
1.1.225.2.37	FCS Command & Control Vehicle
1.1.225.2.38	FCS Medical Vehicle - Evacuation
1.1.225.3	Armored utility vehicle
1.1.225.3.1	M88 medium recovery vehicle
1.1.225.3.1.1	M88A1
1.1.225.3.1.2	M88A2
1.1.225.3.1.3	M88A1E1
1.1.225.3.2	M578 light armored recovery vehicle
1.1.225.3.3	(deleted)
1.1.225.3.4	AVLB
1.1.225.3.4.1	M1 AVLB bridge layer
1.1.225.3.4.2	M60 AVLB
1.1.225.3.4.3	M48 AVLB
1.1.225.3.4.4	M60 AVLB w/o bridge
1.1.225.3.4.5	M104 Wolverine
1.1.225.3.5	M728 combat engineer vehicle
1.1.225.3.6	M9 armored combat earthmover
1.1.225.3.7	Cadillac Gage Commando V-150 Recovery Vehicle
1.1.225.3.8	AV Technology Corporation Dragoon
1.1.225.3.8.1	Armored Logistics Support Vehicle (ALSV)
1.1.225.3.9	(deleted)
1.1.225.3.10	M113/M113A1/M113A2 bulldozer
1.1.225.3.11	M577/M577A1/M577A2 command post
1.1.225.3.11.1	M577 Command Post (MLRS Bn CP)
1.1.225.3.11.2	M577 Command Post (MLRS Btry CP)

Field Value	Description
1.1.225.3.12	Stretched M577A2E2 command post
1.1.225.3.13	XM1068 command post vehicle
1.1.225.3.14	FMC (M113) APC ambulance
1.1.225.3.15	M113A2 recovery vehicle
1.1.225.3.16	Abrams Recovery Vehicle
1.1.225.3.17	(deleted)
1.1.225.3.18	Fitter's vehicle
1.1.225.3.19	Armored Maintenance Vehicle (AMV)
1.1.225.3.20	M1059 smoke-generating system
1.1.225.3.21	Armored Bulldozer, D7 MCAP
1.1.225.3.22	Armored Bulldozer, D9R
1.1.225.3.23	Armored Obstacle Breacher, Grizzly
1.1.225.3.24	Deployable Universal Combat Earthmover (DEUCE)
1.1.225.3.25	FCS Recovery and Maintenance Vehicle
1.1.225.4	Self-propelled artillery
1.1.225.4.1	M270 Multiple Launch Rocket System (MLRS)
1.1.225.4.1.1	ATACMS
1.1.225.4.2	M110 203-mm (8-inch) SP Howitzer
1.1.225.4.2.1	M110
1.1.225.4.2.2	M110A2
1.1.225.4.3	M109 155-mm SP Howitzer
1.1.225.4.3.1	M109
1.1.225.4.3.2	M109A1
1.1.225.4.3.3	M109A2
1.1.225.4.3.4	M109A3
1.1.225.4.3.5	M109A4
1.1.225.4.3.6	M109A5
1.1.225.4.3.7	M109A6
1.1.225.4.3.8	M109L
1.1.225.4.4	(deleted)
1.1.225.4.5	(deleted)
1.1.225.4.6	M107-175 mm gun
1.1.225.4.7	(deleted)
1.1.225.4.8	(deleted)
1.1.225.4.9	155-mm SP Howitzer XM2001 Crusader
1.1.225.4.10	Liquid-propellant Artillery System
1.1.225.4.11	(deleted)
1.1.225.4.12	(deleted)
1.1.225.4.13	(deleted)

Field Value	Description
1.1.225.4.14	(deleted)
1.1.225.4.15	(deleted)
1.1.225.4.16	(deleted)
1.1.225.4.17	Fiber Optic Guided Missile (FOG-M)
1.1.225.4.18	(deleted)
1.1.225.4.19	(deleted)
1.1.225.4.20	(deleted)
1.1.225.4.21	Electronic & Space Corp Ground-Launched Hellfire: Heavy (GLH:H)
1.1.225.4.22	Line-of-Sight Anti-Tank (LOSAT)
1.1.225.4.23	RGM-84 Harpoon Launcher
1.1.225.4.24	HIMARS
1.1.225.4.25	FCS NLOS - Cannon
1.1.225.4.26	FCS NLOS - Mortar
1.1.225.5	Towed artillery
1.1.225.5.1	M114 155-mm Howitzer
1.1.225.5.2	M198 155-mm towed Howitzer
1.1.225.5.3	M101 105-mm Howitzer
1.1.225.5.3.1	M101
1.1.225.5.3.2	M101A1
1.1.225.5.4	M119 105-mm light Howitzer
1.1.225.5.5	M115 8-inch Howitzer
1.1.225.5.6	XM777 155-mm Lightweight Towed Howitzer
1.1.225.5.7	M59 155-mm gun
1.1.225.5.8	M102 105-mm Howitzer
1.1.225.5.9	(deleted)
1.1.225.5.10	(deleted)
1.1.225.5.11	(deleted)
1.1.225.5.12	(deleted)
1.1.225.5.13	(deleted)
1.1.225.5.14	(deleted)
1.1.225.5.15	M993 70-mm Rapid Deployment Multiple Launch Rocket System (MLRS)
1.1.225.5.16	(deleted)
1.1.225.5.17	FCS NLOS-LS-Launcher
1.1.225.6	Small wheeled utility vehicle
1.1.225.6.1	LTV HMMWV M998-series multipurpose wheeled vehicles
1.1.225.6.1.1	M998 cargo/troop carrier without winch
1.1.225.6.1.2	M1038 cargo/troop carrier with winch
1.1.225.6.1.3	M966 TOW missile carrier, basic armor, without winch
1.1.225.6.1.4	M1036 TOW missile carrier, basic armor, with winch

Field Value	Description
1.1.225.6.1.5	M1045 TOW missile carrier, supplemental armor, without winch
1.1.225.6.1.6	M1046 TOW missile carrier, supplemental armor, with winch
1.1.225.6.1.7	M1025 armament carrier, basic armor, without winch
1.1.225.6.1.8	M1026 armament carrier, basic armor, with winch
1.1.225.6.1.9	M1043 armament carrier, supplemental armor, without winch
1.1.225.6.1.10	M1044 armament carrier, supplemental armor, with winch
1.1.225.6.1.11	M996 mini-ambulance, 2-litter, basic armor
1.1.225.6.1.12	M997 maxi-ambulance, 4-litter, basic armor
1.1.225.6.1.13	M1035 soft-top ambulance, 2-litter
1.1.225.6.1.14	M1037 S-250 shelter carrier, without winch
1.1.225.6.1.15	M1042 S-250 shelter carrier, with winch
1.1.225.6.1.16	M1069 tractor for M119 105-mm light gun
1.1.225.6.1.17	M1025 Armament carrier, basic armor w/o winch, w/MK 19 40-mm grenade launcher
1.1.225.6.1.18	M1025 Armament carrier, basic armor w/o winch, w/M2 .50 cal heavy machine gun
1.1.225.6.1.19	M1025 armament carrier, basic armor w/o winch, w/M-60 7.62 mm medium machine gun
1.1.225.6.1.20	M707 Striker
1.1.225.6.1.21	M1114 armament carrier, armored
1.1.225.6.1.22	HMMWV w/M56 Coyote Smoke Generator
1.1.225.6.1.23	HMMWV w/M31 Biological Integrated Detection System (BIDS)
1.1.225.6.1.24	HMMWV w/M157 Smoke Generator
1.1.225.6.2	Warrior NMC-40 Long-range Fast Attack Vehicle (FAV)
1.1.225.6.3	Chenoweth FAV/Light Strike Vehicle (LSV)
1.1.225.6.4	M58/M59 Mine-clearing charge (MICLIC) (towed)
1.1.225.6.4.1	M58A3 w/rocket
1.1.225.6.4.2	M58A4
1.1.225.6.4.3	M59
1.1.225.6.4.4	M58A3 w/o rocket
1.1.225.6.5	Teledyne 4x4 725-kg light forces vehicle
1.1.225.6.6	TPC 4x4 909-kg Rapid Multi-purpose Vehicle (RAMP-V)
1.1.225.6.7	M151 4x4 362-kg light vehicle and variants
1.1.225.6.8	Jeep 4x4 light vehicle
1.1.225.6.9	Jeep XJ 4x4 light truck/wagon series
1.1.225.6.10	M38-series 4x4 363-kg light vehicle (CJ-3A)
1.1.225.6.11	Cargo truck and variants: 4x4, 680-kg
1.1.225.6.11.1	M37
1.1.225.6.11.2	M42

Field Value	Description
1.1.225.6.11.3	M43
1.1.225.6.11.4	M201
1.1.225.6.12	Stewart & Stevenson Services Inc. SS-200 6x6 multi-purpose light vehicle
1.1.225.6.13	Commercial Utility Cargo Vehicle (CUCV)
1.1.225.6.14	M1008, truck, cargo, tactical 1-1/4 ton, 4x4
1.1.225.6.15	M1009, truck, utility, tactical 3/4 ton, 4x4
1.1.225.6.16	M1010, truck, ambulance, tactical 1-1/4 ton, 4x4
1.1.225.6.17	M1031, truck, chassis, tactical 1-1/4 ton, 4x4
1.1.225.6.18	M1028, truck, cargo, shelter carrier, tactical 1-1/4
1.1.225.6.19	M715 4x4 1-1/4 ton truck, AM715-series 4x4 1-1/4 ton cargo trucks
1.1.225.6.20	Jeep AM 720 4x4 1135-kg light truck
1.1.225.6.21	M880 4x4 1133 kg
1.1.225.6.22	M890 4x2 1133 kg
1.1.225.6.23	Tractor, aircraft towing
1.1.225.6.23.1	A/S32A-31
1.1.225.6.24	Ordnance Trailer
1.1.225.6.25	Motorcycle
1.1.225.6.25.1	M1030B1 Motorcycle
1.1.225.6.26	All Terrain Vehicle
1.1.225.6.26.1	ATV 4X4
1.1.225.6.26.2	ATV 6X6
1.1.225.6.26.2.1	Military Gator (basic)
1.1.225.6.26.2.2	Military Gator First Response Expeditionary
1.1.225.6.27	FCS MULE
1.1.225.6.27.1	FCS MULE Retransmission
1.1.225.6.27.2	FCS MULE Countermine
1.1.225.6.27.3	FCS MULE Transport
1.1.225.6.28	FCS Small Unattended Ground Vehicle
1.1.225.7	Large wheeled utility vehicle
1.1.225.7.1	M35/M44A2 6x6 2-1/2 ton cargo truck series
1.1.225.7.1.1	M34: cargo truck with an unladen weight of 5332 kg, chassis designated M44
1.1.225.7.1.2	M47: dump truck with an unladen weight of 6100 kg, chassis designated M57
1.1.225.7.1.3	Truck, maintenance: earth-boring machine and pole setter V18A/MTQ, chassis M44
1.1.225.7.1.4	Truck, maintenance: telephone construction and maintenance V17A/MTQ, chassis M44.
1.1.225.7.1.5	M35 truck: basic M45 chassis
1.1.225.7.1.6	M35A2
1.1.225.7.1.7	M35A2C



Field Value	Description
1.1.225.7.1.8	M36
1.1.225.7.1.9	M36A2
1.1.225.7.1.10	M48: tractor truck
1.1.225.7.1.11	M49: fuel tanker
1.1.225.7.1.12	M49A2C
1.1.225.7.2	M816, truck, wrecker, 5-ton, 6x6
1.1.225.7.3	M819, tractor, wrecker, 5-ton, 6x6
1.1.225.7.4	M817 engineer dump truck
1.1.225.7.5	M939 6X6 5-ton cargo truck
1.1.225.7.5.1	M923 - Truck, 5-ton, 6x6, Cargo dropside
1.1.225.7.5.2	M923A1 - Version with single rear wheels
1.1.225.7.5.3	M923A2 - Version with CTIS
1.1.225.7.5.4	M932A2 [Guntruck] - Modified version for convoy defence
1.1.225.7.5.5	M923A3 - Version with brake modifications
1.1.225.7.5.6	M924 - Truck, 5-ton, 6x6, LWB, Cargo w/o winch
1.1.225.7.5.7	M925 - Truck, 5-ton, 6x6, Cargo dropside w/winch
1.1.225.7.5.8	M925A1 - Version with single rear wheels
1.1.225.7.5.9	M925A2 - Version with CTIS
1.1.225.7.5.10	M926 - Truck, 5-ton, 6x6, cargo, lwb, w/winch, w/e
1.1.225.7.5.11	M927 - Truck, 5-ton, 6x6, Cargo, XLWB w/o winch
1.1.225.7.5.12	M927 [Winch Equipped] - Truck, 5-ton, 6x6, Cargo, XLWB w/winch
1.1.225.7.5.13	M928 - Truck, 5-ton, 6x6, Cargo, XLWB w/winch
1.1.225.7.5.14	M929 - Truck, 5-ton, 6x6, Dump w/o winch
1.1.225.7.5.15	M929A2 - Version with CTIS plate on front hubs
1.1.225.7.5.16	M930 - Truck, 5-ton, 6x6, Dump w/winch
1.1.225.7.5.17	M931 - Truck, 5-ton, 6x6, Tractor w/o winch
1.1.225.7.5.18	M931A1 - Version with single rear wheels
1.1.225.7.5.19	M932 - Truck, 5-ton, 6x6, Tractor w/winch
1.1.225.7.5.20	M933 - Truck, 5-ton, 6x6, Tractor-wrecker w/winch
1.1.225.7.5.21	M934 - Truck, 5-ton, 6x6, Van, expandable w/winch
1.1.225.7.5.22	M935 - Truck, 5-ton, 6x6, Van, expandable w/o winch
1.1.225.7.5.23	M936 - Truck, 5-ton, 6x6, Wrecker, medium w/winch
1.1.225.7.5.24	M939 - Truck, 5-ton, 6x6, chassis, w/e
1.1.225.7.5.25	M939 [Winch Equipped] - Truck, 5-ton, 6x6, chassis, w/winch, w/e
1.1.225.7.5.26	M940 - Truck, 5-ton, 6x6, chassis, w/winch, w/e
1.1.225.7.5.27	M941 - Truck, 5-ton, 6x6, chassis, w/e
1.1.225.7.5.28	M941 [Winch Equipped] - Truck, 5-ton, 6x6, chassis, w/winch, w/e
1.1.225.7.5.29	M942 Truck, 5-ton, 6x6, chassis, w/e
1.1.225.7.5.30	M942 [Winch Equipped] - Truck, 5-ton, 6x6, chassis, w/winch, w/e

Field Value	Description
1.1.225.7.5.31	M944 - Truck, 5-ton, 6x6, chassis
1.1.225.7.5.32	OE-MRC PATRIOT Antenna Mast Group (AMG) on M942 chassis
1.1.225.7.6	(deleted)
1.1.225.7.7	M543, truck, wrecker: medium, 5-ton, 6x6
1.1.225.7.8	M915 series of 5-ton trucks
1.1.225.7.8.1	Cargo
1.1.225.7.8.2	w/ FS pods
1.1.225.7.8.3	w/ shelter
1.1.225.7.8.4	M915, tractor, truck, 14-ton, 6x4
1.1.225.7.8.5	M915A1, tractor, truck, 14-ton, 6x4
1.1.225.7.8.6	M915 (Eng Loader)
1.1.225.7.9	LTV Hummer cab-over 4x4 2268-kg cargo truck
1.1.225.7.10	Freightliner All-Terrain Tow Vehicle (ATTV)
1.1.225.7.10.1	Kamaz-4310 with generator set
1.1.225.7.11	Stewart & Stevenson SS-300 8x8 2268-kg All-Terrain Vehicle
1.1.225.7.12	Stewart & Stevenson Family of Medium Tactical Vehicles (FMTV)
1.1.225.7.12.1	M1078 Truck, Cargo; LMTV w/ Equip
1.1.225.7.12.2	M1078 Truck, Cargo; LMTV w/ Equip, w/ Winch
1.1.225.7.12.3	M1079 Truck, Van; LMTV w/ Equip
1.1.225.7.12.4	M1079 Truck, Van; LMTV w/ Equip, w/ Winch
1.1.225.7.12.5	M1080 Truck, Chassis; LMTV w/ Equip
1.1.225.7.12.6	M1081 Truck, Cargo; LMTV, LAPES/AD, w/ Equip
1.1.225.7.12.7	M1082 Trailer; LMTV
1.1.225.7.12.8	M1083 Truck, Cargo; MTV w/ Equip
1.1.225.7.12.9	M1083 Truck, Cargo; MTV w/ Equip, w/ winch
1.1.225.7.12.10	M1084 Truck, Cargo; w/ MHE w/ Equip
1.1.225.7.12.11	M1085 Truck, Cargo; MTV, LWB, w/ Equip
1.1.225.7.12.12	M1085 Truck, Cargo; MTV, LWB, w/ Equip, w/ Winch
1.1.225.7.12.13	M1086 Truck, Cargo; MTV, LWB, w/MHE, w/ Equip
1.1.225.7.12.14	M1087 Truck, Van; MTV, Expansible
1.1.225.7.12.15	M1088 Truck, Tractor; MTV, w/ Equip
1.1.225.7.12.16	M1088 Truck, Tractor; MTV, w/ Equip, w/ Winch
1.1.225.7.12.17	M1089 Truck, Wrecker; MTV, w/ Equip, w/ Winch
1.1.225.7.12.18	M1090 Truck, Dump; MTV w/ Equip
1.1.225.7.12.19	M1090 Truck, Dump; MTV w/ Equip, w/ Winch
1.1.225.7.12.20	M1091 Truck, Tanker; MTV w/ Equip, w/ Winch
1.1.225.7.12.21	M1092 Truck, Chassis; MTV w/ Equip
1.1.225.7.12.22	M1093 Truck, Cargo; MTV, LAPES/AD, w/ Equip
1.1.225.7.12.23	M1094 Truck, Dump; MTV, LAPES/AD, w/ Equip, w/ Winch

Field Value	Description
1.1.225.7.12.24	M1094 Truck, Dump; MTV, LAPES/AD, w/ Equip
1.1.225.7.12.25	M1095 Trailer, MTV
1.1.225.7.12.26	M1096 Truck, Chassis; MTV, LWB, w/ Equip
1.1.225.7.12.27	M1083 Truck, Cargo; MTV, w/ Equip, w/ Volcano
1.1.225.7.12.28	M1078 Truck, Cargo; LMTV, w/Equip, w/winch, w/M2 .50 cal heavy machine gun
1.1.225.7.12.29	M1083 Truck, Cargo; LMTV, w/Equip, w/winch, w/M2 .50 cal heavy machine gun
1.1.225.7.13	TTC FMTV
1.1.225.7.13.1	LMTV
1.1.225.7.13.2	MTV
1.1.225.7.14	M54 6x6 5-ton cargo truck series
1.1.225.7.14.1	M41, cargo
1.1.225.7.14.2	M41, dump6
1.1.225.7.14.3	M52, tractor
1.1.225.7.14.4	M54, cargo
1.1.225.7.14.5	M55, cargo
1.1.225.7.14.6	M62k, wrecker, medium
1.1.225.7.14.7	M64, cargo, van
1.1.225.7.14.8	M246, tractor, wrecker
1.1.225.7.14.9	M291, van, expansible
1.1.225.7.14.10	M328, stake, bridging
1.1.225.7.14.11	M543, wrecker, medium
1.1.225.7.14.12	M748, bolster
1.1.225.7.14.13	M139 chassis
1.1.225.7.15	M809 6x6 5-ton cargo truck series
1.1.225.7.15.1	M809
1.1.225.7.15.2	M810
1.1.225.7.15.3	M811/M812
1.1.225.7.16	M813 cargo truck, 5-ton, 6x6
1.1.225.7.17	Standard Trailing Arm Drive (TAD) vehicle series
1.1.225.7.17.1	Modular wheeled carrier
1.1.225.7.17.2	Forward Area Multi-purpose Vehicle (FAMV)
1.1.225.7.17.3	Medium Combat Truck (MCT)
1.1.225.7.18	Oshkosh MK48-series articulated 8x8 vehicle
1.1.225.7.18.1	MK48/14: logistics platform truck
1.1.225.7.18.2	MK48/15: recovery vehicle
1.1.225.7.18.3	MK48/16: truck tractor
1.1.225.7.18.4	MK48/17: cargo truck with Material Handling Crane (MHC)

Field Value	Description
1.1.225.7.18.5	MK48/18: load handling system vehicle.
1.1.225.7.19	Oshkosh Heavy Expanded Mobility Tactical Truck (HEMTT) 8x8 9979-kg
1.1.225.7.19.1	M977 cargo
1.1.225.7.19.2	M978 fuel-servicing
1.1.225.7.19.3	M983 tractor
1.1.225.7.19.4	M984A1 wrecker
1.1.225.7.19.5	M985 cargo
1.1.225.7.19.6	M977 w/ Mine Plow
1.1.225.7.19.7	M977 w/ Mine Roller
1.1.225.7.19.8	M985 w/ Mine Roller
1.1.225.7.19.9	M985 w/ Mine Plow
1.1.225.7.19.10	Truck, Heavy, M1074 PLS
1.1.225.7.20	Mack RM6866SX 6x6 10000-kg truck
1.1.225.7.21	M1070 8x8 Heavy Equipment Transporter (HET)
1.1.225.7.22	M911 8x6 truck tractor
1.1.225.7.23	M746 8x8 22-1/2 ton tractor truck (HET)
1.1.225.7.24	Mack RD8226SX 52000-kg 6x6 tank transporter
1.1.225.7.25	Navistar International Corporation F5070 6x4 tank transporter
1.1.225.7.26	LARC-5 4x4 4545-kg amphibious cargo carrier
1.1.225.7.27	Variable Reach Rough Terrain Forklift Truck (VRRTFLT)
1.1.225.7.28	Rough Terrain Container Straddle Truck (RTCST)
1.1.225.7.29	Truck, tractor, yard type, 4x2
1.1.225.7.29.1	M878
1.1.225.7.29.2	M878A1
1.1.225.7.30	Case MC2500 30-ton rough terrain crane
1.1.225.7.31	Crane, truck-mounted, hydraulic, 25-ton (CCE) (Grove TMS 300-5)
1.1.225.7.32	Rough terrain crane 4x4 5-ton Hanson H-446A
1.1.225.7.33	Wreckers, 2-1/2 ton 6x6
1.1.225.7.33.1	M60
1.1.225.7.33.2	M108
1.1.225.7.34	M62, truck, wrecker, medium, 5-ton, 6x6
1.1.225.7.35	M246, truck, tractor, wrecker, 5-ton, 6x6
1.1.225.7.36	M916 Series trucks
1.1.225.7.37	Small Emplacement Excavator (SEE)
1.1.225.7.38	Truck, cargo; heavy PLS transporter 16.5T 8x8, M1075
1.1.225.8	Small tracked utility vehicle
1.1.225.9	Large tracked utility vehicle
1.1.225.9.1	M548 tracked cargo carrier
1.1.225.9.1.1	M1015

Field Value	Description
1.1.225.9.1.2	Stretched M548A1E1
1.1.225.9.1.3	M667
1.1.225.9.1.4	(deleted)
1.1.225.9.1.5	Recovery vehicles
1.1.225.9.1.6	(deleted)
1.1.225.9.1.7	Radar vehicles
1.1.225.9.1.8	M45
1.1.225.9.1.9	M548A1
1.1.225.9.1.10	M548GA1
1.1.225.9.1.11	M548/S
1.1.225.9.1.12	LAR 160
1.1.225.9.2	(deleted)
1.1.225.9.3	M992 Field Artillery Ammunition Support Vehicle (FAASV)
1.1.225.9.3.1	M993 MLRS carrier
1.1.225.9.3.2	XM987 cargo carrier
1.1.225.9.3.3	Armored, Forward-Area, Rearm Vehicle (AFARV)
1.1.225.9.3.4	Armored Maintenance Vehicle
1.1.225.9.3.5	XM1070 Electronic Fighting Vehicle System (EFVS)
1.1.225.9.3.6	Command-post vehicle
1.1.225.9.4	M973 Small Unit Support Vehicle (SUSV)
1.1.225.9.5	LMC 1500 Over-snow vehicle
1.1.225.9.6	Caterpillar 988 50 000-lb (22 680-kg) rough terrain container handler
1.1.225.10	Mortar
1.1.225.10.1	M29 81-mm
1.1.225.10.2	M224 60-mm light company mortar
1.1.225.10.3	M1 81-mm
1.1.225.10.4	M2 60-mm
1.1.225.10.5	M19 60-mm
1.1.225.10.6	M29A1 81-mm
1.1.225.10.7	M30 107-mm rifled
1.1.225.10.8	M252 81-mm
1.1.225.10.9	120mm Mortar, M120
1.1.225.11	Mine plow
1.1.225.12	Mine rake
1.1.225.13	Mine roller
1.1.225.14	Cargo trailer
1.1.225.14.1	0 - 0.5 ton
1.1.225.14.2	0.51 - 2 ton
1.1.225.14.2.1	Trailer cargo; high mobility, 3/4 ton, M1102

Field Value	Description
1.1.225.14.3	2.01 - 5 ton
1.1.225.14.3.1	Trailer, cargo; 2 1/2 ton, M1082
1.1.225.14.3.2	Trailer, cargo; 5 ton, M1095
1.1.225.14.4	5.02 - 10 ton
1.1.225.14.5	greater than 10 tons
1.1.225.15	Fuel trailer
1.1.225.15.1	1-1000 gallons
1.1.225.15.2	1001 - 5000 gallons
1.1.225.15.2.1	Semi-trailer, fuel service, 5000 gallons, M969
1.1.225.15.3	greater than 5000 gallons
1.1.225.16	Generator trailer
1.1.225.16.1	0 - 100 kW
1.1.225.16.2	greater than 100 KW
1.1.225.17	Water trailer
1.1.225.17.1	1-1000 gallons
1.1.225.17.1.1	Trailer, tank; 1 1/2 ton, water, 400 gallons, M149A2
1.1.225.17.2	1001- 5000 gallons
1.1.225.17.3	greater than 5000 gallons
1.1.225.18	Engineer equipment
1.1.225.18.1	Mine clearing line charge
1.1.225.18.2	Dozer blade kit
1.1.225.18.3	Lane marking system
1.1.225.18.4	High Mobility Engineer Excavator
1.1.225.18.5	Road Grader
1.1.225.19	Heavy equipment transport trailer
1.1.225.19.1	Heavy Equipment Trailer, M1000
1.1.225.20	Maintenance equipment trailer
1.1.225.20.1	Welding trailer
1.1.225.20.2	Compressor
1.1.225.20.3	Tools/parts trailer
1.1.225.20.3.1	Semi-trailer, van, M129A2C
1.1.225.21	Limber
1.1.225.22	Chemical decontamination trailer
1.1.225.23	Warning System
1.1.225.23.1	JTAGS
1.1.225.23.2	SHIELD/ALERT
1.1.225.23.3	FCS Intelligent Munitions System
1.1.225.23.4	FCS Unattended Ground Sensor - Urban
1.1.225.23.5	FCS Unattended Ground Sensor - Tactical

Field Value	Description
1.1.225.27	Civilian Vehicle
1.1.225.27.1	Sedan
1.1.225.27.2	Sport Utility Vehicle
1.1.225.27.3	Truck Cargo
1.1.225.27.3.1	Truck Small
1.1.225.27.3.1.1	Pickup Mini
1.1.225.27.3.1.2	Pickup Medium
1.1.225.27.3.1.3	Pickup Large
1.1.225.27.3.2	Truck Cargo Medium
1.1.225.27.3.3	Truck Cargo Large
1.1.225.27.4	Tractor Trailer Combination
1.1.225.27.5	All Terrain Vehicle
1.1.225.27.5.1	ATV 4X4
1.1.225.27.5.1.1	Polaris Sportsman MV
1.1.225.27.5.2	ATV 6X6
1.1.225.27.5.2.1	M-Gator
1.1.225.27.6	Motorcycle
1.1.225.27.6.1	Motorcycle Street
1.1.225.27.6.2	Motorcycle Trail
1.1.225.27.6.2.1	Kawasaki KLR 250
1.1.225.28	Air Defense / Missile Defense Unit Equipment
1.1.225.28.1	MIM-23 Raytheon HAWK Low-to-Medium Altitude SAM System
1.1.225.28.1.1	Battalion
1.1.225.28.1.1.1	HAWK BN/ADCP
1.1.225.28.1.2	Battery
1.1.225.28.1.2.1	HAWK Battery Command Post (BCP)
1.1.225.28.1.2.2	HAWK CWAR (Continuous Wave Acquisition Radar) AN/MPQ-34/48/55/62
1.1.225.28.1.2.3	HAWK HPI (High-Power Illuminator) AN/MPQ-33/39/46/57/61 -
1.1.225.28.1.2.4	HAWK Launcher
1.1.225.28.1.2.5	HAWK PAR (Pulse Acquisition Radar) AN/MQP-50
1.1.225.28.1.2.6	HAWK ROR (Range-Only-Radar) AN/MPQ-37/51
1.1.225.28.1.2.7	HAWK PCP (Platoon Command Post)
1.1.225.28.2	MIM-104 Raytheon Patriot High-to-Medium Altitude Air Defense (HIMAD) System
1.1.225.28.2.1	Patriot Command Center
1.1.225.28.2.1.1	Patriot ICC (Information Coordination Central)
1.1.225.28.2.1.2	Patriot BTOC
1.1.225.28.2.2	Patriot Battery
1.1.225.28.2.2.1	Patriot ECS (Engagement Control Station) AN/MSQ-104

Field Value	Description
1.1.225.28.2.2.2	Patriot LS (Launcher Station)
1.1.225.28.2.2.3	Patriot Radar AN/MPQ-53
1.1.225.28.2.2.4	Patriot Radar AN/MPQ-63
1.1.225.28.3	MIM-14B Nike-Hercules SAM System
1.1.225.28.4	Theater High Altitude Area Defense (THAAD) System
1.1.225.28.4.1	THAAD Battery TOC
1.1.225.28.4.2	THAAD ground-based radar (GBR)
1.1.225.28.4.3	THAAD Launcher
1.1.225.28.5	Self -Propelled VSHORAD Gun / Missile System
1.1.225.28.5.1	M163 Vulcan SP Anti-Aircraft Gun
1.1.225.28.5.2	M42 Twin-40mm SP Anti-Aircraft Gun
1.1.225.28.5.3	General Electric Vulcan-Commando 20 mm SP Air Defense (AD) System
1.1.225.28.5.4	Boeing Avenger Pedestal-Mounted Stinger SP Air Defense (AD) System
1.1.225.28.5.5	Raytheon / Loral Aeronutronic Saber Air Defense (AD) System
1.1.225.28.5.6	LTV Crossbow pedestal-mounted weapon system
1.1.225.28.5.7	Loral Aeronutronic 48 Chaparral
1.1.225.28.5.7.1	M48
1.1.225.28.5.7.2	M48A1
1.1.225.28.5.7.3	M48A2
1.1.225.28.5.7.4	M48A3
1.1.225.28.5.8	Block VII Low-Altitude SAM System
1.1.225.28.5.9	Loral Aeronutronic SAM System
1.1.225.28.5.10	M6 Linebacker
1.1.225.28.6	Towed VSHORAD Gun / Missile System
1.1.225.28.6.1	M1 40mm Automatic Anti-Aircraft Gun
1.1.225.28.6.2	M167 20mm Vulcan Anti-Aircraft Gun
1.1.225.28.6.3	M55 Quad 12.7mm Anti-Aircraft MG
1.1.225.28.6.4	AN/MPQ-64 Phased Array SHORAD Radar
1.1.225.28.7	HMWWV with AMRAAM
1.1.225.28.7.1	USMC Complementary Low Altitude Weapon System (CLAWS)
1.1.225.28.7.2	US Army HUMRAAM
1.1.225.29	Command, Control, Communications, and Intelligence (C3I) System
1.1.225.29.1	Control and Reporting Center / Modular Control Equipment (CRC / MCE)
1.1.225.29.2	Control and Reporting Element (CRE)
1.1.225.29.3	Control and Reporting Post (CRP)
1.1.225.29.4	USMC Tactical Air Operation Center (TAOC)
1.1.225.29.5	AN/TSQ-73 Missile Minder
1.1.225.29.6	JSTARS Ground Station Module (GSM) AN/TSQ-178
1.1.225.29.7	JSTARS Common Ground Station (CGS)



Field Value	Description
1.1.225.29.8	UAV Ground Control Station
1.1.225.29.8.1	Predator Ground Control Station
1.1.225.29.8.2	Hunter Ground Control Station
1.1.225.29.8.3	Shadow Ground Control Station
1.1.225.30	Operations Facility
1.1.225.31	Intelligence Facility
1.1.225.32	Surveillance Facility
1.1.225.32.1	JLENS Processing Stations (General)
1.1.225.32.1.1	JLENS PTIR Processing Station
1.1.225.32.1.2	JLENS SuR Processing Station
1.1.225.33	Communications Facility
1.1.225.34	Command Facility
1.1.225.35	C4I Facility
1.1.225.36	Control Facility
1.1.225.37	Fire Control Facility
1.1.225.38	Missile Defense Facility
1.1.225.39	Field Command Post
1.1.225.40	Observation Post

#### 4.2.3.1.2. Air

Field Value	Description
1.2.225	
1.2.225.1	Fighter/Air Defense
1.2.225.1.1	(deleted)
1.2.225.1.2	Grumman F-14 Tomcat
1.2.225.1.2.1	F-14A
1.2.225.1.2.2	F-14D
1.2.225.1.2.3	F-14B
1.2.225.1.3	General Dynamics F-16 Fighting Falcon
1.2.225.1.3.1	F-16A
1.2.225.1.3.2	F-16B
1.2.225.1.3.3	F-16C
1.2.225.1.3.4	F-16D
1.2.225.1.3.5	F-16E
1.2.225.1.3.6	F-16N
1.2.225.1.3.7	F-16 (ADF)
1.2.225.1.3.8	F-16 RECCE
1.2.225.1.3.9	F/A-16

Field Value	Description
1.2.225.1.3.10	F-16CJ (dedicated SEAD)
1.2.225.1.3.11	F-16CG
1.2.225.1.4	McDonnell-Douglas F-4 Phantom II
1.2.225.1.4.1	(deleted)
1.2.225.1.4.2	F-4B
1.2.225.1.4.3	F-4C
1.2.225.1.4.4	F-4D
1.2.225.1.4.5	F-4E
1.2.225.1.4.6	F-4F
1.2.225.1.4.7	F-4J
1.2.225.1.4.8	(deleted)
1.2.225.1.4.9	(deleted)
1.2.225.1.4.10	F-4N
1.2.225.1.4.11	F-4S
1.2.225.1.5	McDonnell-Douglas F-15 Eagle
1.2.225.1.5.1	F-15A
1.2.225.1.5.2	F-15B
1.2.225.1.5.3	F-15C
1.2.225.1.5.4	F-15D
1.2.225.1.5.5	F-15E
1.2.225.1.5.6	F-15F
1.2.225.1.5.7	F-15H
1.2.225.1.6	Lockheed F-22 Raptor
1.2.225.1.6.1	F-22A
1.2.225.1.6.2	F-22B
1.2.225.1.7	Lockheed F-104 Starfighter
1.2.225.1.8	(deleted)
1.2.225.1.9	McDonnell-Douglas F/A-18 Hornet
1.2.225.1.9.1	F/A-18A
1.2.225.1.9.2	F/A-18B
1.2.225.1.9.3	F/A-18C
1.2.225.1.9.4	F/A-18D
1.2.225.1.9.5	AF-18A
1.2.225.1.9.6	ATF-18A
1.2.225.1.9.7	CF-188A/B
1.2.225.1.9.8	C.15
1.2.225.1.9.9	CE.15
1.2.225.1.9.10	F/A-18E
1.2.225.1.9.11	F/A-18F

Field Value	Description
1.2.225.1.10	Northrop F-5 Freedom Fighter/Tiger II
1.2.225.1.10.1	F-5A
1.2.225.1.10.2	F-5B
1.2.225.1.10.3	F-5E Tiger II
1.2.225.1.10.4	F-5F
1.2.225.1.10.5	RF-5A
1.2.225.1.10.6	RF-5E Tigereye
1.2.225.1.10.7	RF-5F
1.2.225.1.11	Vought Crusader F-8
1.2.225.1.11.1	Crusader (Vought F-8E (FN))
1.2.225.1.12	F-35 Joint Strike Fighter (JSF)
1.2.225.1.12.1	F-35A CTOL
1.2.225.1.12.2	F-35C Naval
1.2.225.1.12.3	F-35B STOVL
1.2.225.2	Attack/Strike
1.2.225.2.1	McDonnell-Douglas A-4 Skyhawk
1.2.225.2.2	A-6 Intruder
1.2.225.2.2.1	A-6A
1.2.225.2.2.2	A-6B
1.2.225.2.2.3	A-6C
1.2.225.2.2.4	A-6E
1.2.225.2.3	Vought A-7 Corsair II
1.2.225.2.3.1	A-7D
1.2.225.2.4	Fairchild Republic A-10 Thunderbolt II
1.2.225.2.4.1	A-10A
1.2.225.2.4.2	OA-10A
1.2.225.2.5	Cessna 318E Dragonfly
1.2.225.2.5.1	A-37
1.2.225.2.6	(deleted)
1.2.225.2.7	(deleted)
1.2.225.2.8	McDonnell-Douglas AV-8B Harrier II
1.2.225.2.8.1	AV-8B
1.2.225.2.8.2	TAV-8B
1.2.225.2.8.3	Harrier GR. Mk 5
1.2.225.2.8.4	Harrier GR. Mk 5A
1.2.225.2.8.5	Harrier GR. Mk 7
1.2.225.2.8.6	Harrier T. Mk 10
1.2.225.2.8.7	VA.2 Matador II
1.2.225.2.9	(deleted)

Field Value	Description
1.2.225.2.10	McDonnell-Douglas F-4 Phantom II
1.2.225.2.10.1	F-4G Wild Weasel
1.2.225.2.11	Lockheed F-117A
1.2.225.2.12	General Dynamics F-111
1.2.225.2.12.1	F-111E
1.2.225.2.12.2	F-111F
1.2.225.2.12.3	F-111C
1.2.225.3	Bomber
1.2.225.3.1	Rockwell International B-1
1.2.225.3.1.1	B-1B
1.2.225.3.2	Northrop B-2
1.2.225.3.3	Boeing B-52 Stratofortress
1.2.225.3.3.1	B-52G
1.2.225.3.3.2	B-52H
1.2.225.4	Cargo/Tanker
1.2.225.4.1	Lockheed C-130 (Model 382) Hercules
1.2.225.4.1.1	C-130
1.2.225.4.1.2	AC-130
1.2.225.4.1.2.1	AC-130A
1.2.225.4.1.2.2	AC-130E
1.2.225.4.1.2.3	AC-130H
1.2.225.4.1.2.4	AC-130U
1.2.225.4.1.3	DC-130
1.2.225.4.1.4	EC-130E Commando Solo
1.2.225.4.1.5	HC-130
1.2.225.4.1.6	JC-130
1.2.225.4.1.7	LC-130
1.2.225.4.1.8	MC-130
1.2.225.4.1.8.1	MC-130E
1.2.225.4.1.8.2	MC-130P
1.2.225.4.1.8.3	MC-130H
1.2.225.4.1.9	NC-130
1.2.225.4.1.10	RC-130
1.2.225.4.1.11	WC-130
1.2.225.4.1.12	TC-130
1.2.225.4.1.13	KC-130
1.2.225.4.1.14	CC-130
1.2.225.4.1.15	Hercules C. Mk 1
1.2.225.4.1.16	Hercules C. Mk 2

Field Value	Description
1.2.225.4.1.17	Hercules C. Mk 3P
1.2.225.4.1.18	(deleted)
1.2.225.4.1.19	T.10
1.2.225.4.1.20	TK.10
1.2.225.4.1.21	TL.10
1.2.225.4.1.22	Tp 84
1.2.225.4.1.23	C-130H
1.2.225.4.1.24	C-130H-30
1.2.225.4.1.25	KC-130H
1.2.225.4.1.26	C-130H-MP
1.2.225.4.1.27	VC-130H
1.2.225.4.1.28	C-130J
1.2.225.4.1.29	C-130J-30
1.2.225.4.1.30	EC-130J Commando Solo
1.2.225.4.2	Lockheed C-5 Galaxy
1.2.225.4.2.1	C-5A
1.2.225.4.2.2	C-5B
1.2.225.4.3	Lockheed C-141 Starlifter
1.2.225.4.3.1	C-141A
1.2.225.4.3.2	C-141B
1.2.225.4.4	C-135
1.2.225.4.5	Boeing KC-135 Stratotanker
1.2.225.4.5.1	KC-135A
1.2.225.4.5.2	KC-135E
1.2.225.4.5.3	KC-135Q
1.2.225.4.5.4	KC-135R
1.2.225.4.6	McDonnell-Douglas KC-10 Extender
1.2.225.4.6.1	KC-10A
1.2.225.4.7	Boeing 707 tanker/transport
1.2.225.4.7.1	(deleted)
1.2.225.4.7.2	T.17
1.2.225.4.8	Boeing 707
1.2.225.4.8.1	VC-137
1.2.225.4.8.2	(deleted)
1.2.225.4.8.3	(deleted)
1.2.225.4.9	McDonnell-Douglas C-17A
1.2.225.4.10	Boeing 747
1.2.225.4.10.1	C-25A
1.2.225.4.10.2	VC-25A "Air Force One"

Field Value	Description
1.2.225.4.10.3	Boeing/Rockwell YAL-1 Airborne Laser (ABL)
1.2.225.4.11	Gulfstream Aerospace Gulfstream III
1.2.225.4.11.1	C-20
1.2.225.4.12	Learjet 35A/36A
1.2.225.4.12.1	C-21A
1.2.225.4.13	Lockheed Model 1329-25 Jetstar II
1.2.225.4.13.1	C-140
1.2.225.4.14	Douglas DC-3
1.2.225.4.14.1	C-47
1.2.225.4.14.2	R4D
1.2.225.4.14.3	Dakota
1.2.225.4.15	McDonnell-Douglas DC-9
1.2.225.4.15.1	C-9A
1.2.225.4.15.2	VC-9C
1.2.225.4.15.3	C-9B
1.2.225.4.16	Beechcraft Super King Air 200/B200
1.2.225.4.16.1	C-12
1.2.225.4.17	Bell/Boeing V-22 Osprey
1.2.225.4.17.1	CV-22A
1.2.225.4.17.2	CV-22B
1.2.225.4.17.11	MV-22A
1.2.225.4.17.12	MV-22B
1.2.225.4.17.21	HV-22A
1.2.225.4.17.22	HV-22B
1.2.225.4.18	Rockwell T-39 Saberliner
1.2.225.4.19	Grumman C-2A Greyhound (COD)
1.2.225.4.20	(deleted)
1.2.225.4.21	Lockheed Model L100
1.2.225.4.21.1	L100-30 (hospital)
1.2.225.4.22	(deleted)
1.2.225.4.22.1	(deleted)
1.2.225.4.22.2	(deleted)
1.2.225.5	Antisubmarine/patrol/observation
1.2.225.5.1	Lockheed Model 185/285 Orion
1.2.225.5.1.1	P-3
1.2.225.5.1.2	P-3C
1.2.225.5.1.3	UP-3
1.2.225.5.1.4	UP-3C
1.2.225.5.1.5	EP-3

Field Value	Description
1.2.225.5.1.6	P-3J
1.2.225.5.1.7	P-3W
1.2.225.5.1.8	P-3 AEW&C
1.2.225.5.1.9	CF-140 Aurora
1.2.225.5.1.10	CP-140 Arcturus
1.2.225.5.1.11	EP-3E
1.2.225.5.1.12	AP-3C (Australia)
1.2.225.5.1.13	P3-K (Canada)
1.2.225.5.1.14	P-3F (Iran)
1.2.225.5.2	Lockheed S-3 Viking
1.2.225.5.2.1	S-3B
1.2.225.5.2.2	ES-3
1.2.225.5.2.3	KS-3
1.2.225.5.3	Rockwell International OV-10 Bronco
1.2.225.5.3.1	OV-10
1.2.225.5.3.2	OV-10D Plus
1.2.225.5.4	Schweizer SA 2-37A
1.2.225.5.4.1	RG-8A
1.2.225.5.5	Boeing P-8 Multi-Mission Maritime Aircraft (MMA)
1.2.225.5.5.1	P-8A
1.2.225.6	Electronic Warfare (EW)
1.2.225.6.1	(deleted)
1.2.225.6.2	(deleted)
1.2.225.6.3	(deleted)
1.2.225.6.4	(deleted)
1.2.225.6.5	(deleted)
1.2.225.6.6	(deleted)
1.2.225.6.7	Grumman (General Dynamics) EF-111 Raven
1.2.225.6.7.1	EF-111A
1.2.225.6.8	EC-130 Compass Call Electronic Combat (C2W)
1.2.225.6.9	Grumman EA-6 Prowler
1.2.225.6.9.1	EA-6A
1.2.225.6.9.2	EA-6B
1.2.225.7	Reconnaissance
1.2.225.7.1	Lockheed SR-71 Blackbird
1.2.225.7.1.1	SR-71B
1.2.225.7.2	(deleted)
1.2.225.7.3	Lockheed U-2
1.2.225.7.3.1	U-2R

Field Value	Description
1.2.225.7.3.2	ER-2
1.2.225.7.3.3	U-2S
1.2.225.7.4	McDonnell-Douglas F-4 Phantom II
1.2.225.7.4.1	RF-4B
1.2.225.7.4.2	YRF-4C
1.2.225.7.4.3	RF-4C
1.2.225.7.4.4	RF-4E
1.2.225.7.4.5	RF-4EJ
1.2.225.7.5	Sadler A-22 LASA
1.2.225.7.6	Boeing Canada DHC-7 Airborne Reconnaissance--Low (ARL)
1.2.225.7.7	Boeing RC-135
1.2.225.7.7.1	RC-135S Cobra Ball
1.2.225.7.7.2	RC-135U Combat Sent
1.2.225.7.7.3	RC-135 V/W Rivet Joint
1.2.225.7.7.4	RC-135X Cobra Eye
1.2.225.7.8	Beechcraft Super King AIR 200/B200
1.2.225.7.8.1	RC-12H Guardrail Common Sensor
1.2.225.7.8.2	RC-12D
1.2.225.8	Surveillance / C2 (Airborne Early Warning)
1.2.225.8.1	Grumman E-2 Hawkeye
1.2.225.8.1.1	E-2C
1.2.225.8.1.2	TE-2C
1.2.225.8.2	EA-3
1.2.225.8.2.1	(deleted)
1.2.225.8.2.2	EA-3B
1.2.225.8.3	Boeing E-6A Mercury (TACAMO II)
1.2.225.8.4	Boeing E-3 Sentry
1.2.225.8.4.1	E-3A Airborne Warning and Control System (AWACS)
1.2.225.8.4.2	E-3B AWACS
1.2.225.8.4.3	E-3C AWACS
1.2.225.8.4.4	E-3D Sentry AEW. Mk 1
1.2.225.8.4.5	E-3F System de Detection Aeroporte
1.2.225.8.4.6	KE-3A AWACS (Saudi Arabia)
1.2.225.8.5	Boeing E-4 Advanced Airborne Command Post (AABNCP)
1.2.225.8.5.1	E-4A
1.2.225.8.5.2	E-4B
1.2.225.8.6	E-8 (Joint STARS/JSTARS)
1.2.225.8.6.1	E-8A
1.2.225.8.6.2	E-8C



Field Value	Description
1.2.225.8.7	Aerostat
1.2.225.8.8	EC-130E Airborne Command, Control and Communications (ABCCC)
1.2.225.8.9	EC-135 Airborne Command Post
1.2.225.8.10	JLENS Aerostats
1.2.225.8.10.1	JLENS PTIR Aerostat Platform
1.2.225.8.10.2	JLENS SuR Aerostat Platform
1.2.225.20	Attack helicopter
1.2.225.20.1	McDonnell-Douglas AH-64 Apache
1.2.225.20.1.1	AH-64A
1.2.225.20.1.2	AH-64B
1.2.225.20.1.3	AH-64C
1.2.225.20.1.4	AH-64D with Longbow Radar
1.2.225.20.1.5	Petan (Cobra)
1.2.225.20.1.6	AH-64D without Longbow Radar
1.2.225.20.2	Bell Model 209 Hueycobra, Seacobra, Supercobra
1.2.225.20.2.1	AH-1E
1.2.225.20.2.2	AH-1F
1.2.225.20.2.3	AH-1G
1.2.225.20.2.4	AH-1J
1.2.225.20.2.5	AH-1P
1.2.225.20.2.6	AH-1Q
1.2.225.20.2.7	AH-1R
1.2.225.20.2.8	AH-1S
1.2.225.20.2.9	AH-1T
1.2.225.20.2.10	AH-1W
1.2.225.20.2.11	AH-1W Venom
1.2.225.20.2.12	TH-1S
1.2.225.20.2.13	TH-1W
1.2.225.20.3	Bell AH-1(4B)W Viper
1.2.225.20.4	Boeing/Sikorsky RAH-66 Comanche
1.2.225.20.4.1	RAH-66 with LONGBOW radar
1.2.225.20.5	McDonnell-Douglas 500/530 Defender
1.2.225.20.5.1	(deleted)
1.2.225.20.5.2	AH-6
1.2.225.20.5.3	500MG
1.2.225.20.5.4	530MG
1.2.225.20.5.5	(deleted)
1.2.225.20.5.6	500 D/E
1.2.225.21	Utility helicopter

Field Value	Description
1.2.225.21.1	Bell model 204 Iroquois
1.2.225.21.1.1	UH-1A
1.2.225.21.1.2	UH-1B
1.2.225.21.1.3	UH-1C
1.2.225.21.1.4	UH-1E
1.2.225.21.1.5	UH-1F
1.2.225.21.1.6	UH-1L
1.2.225.21.1.7	HH-1K
1.2.225.21.1.8	TH-1F
1.2.225.21.1.9	TH-1L
1.2.225.21.1.10	UH-1HP
1.2.225.21.2	Sikorsky S-70A
1.2.225.21.2.1	UH-60A Blackhawk
1.2.225.21.2.2	UH-60L Blackhawk
1.2.225.21.2.3	EH-60C
1.2.225.21.2.4	(deleted)
1.2.225.21.2.5	VH-60N
1.2.225.21.2.6	UH-60P
1.2.225.21.2.7	S-70A-1
1.2.225.21.2.8	S-70A-1L
1.2.225.21.2.9	S-70A-5
1.2.225.21.2.10	S-70A-6
1.2.225.21.2.11	S-70A-9
1.2.225.21.2.12	S-70A-A9
1.2.225.21.2.13	S-70A-A11
1.2.225.21.2.14	S-70A-A12
1.2.225.21.2.15	S-70A-A14
1.2.225.21.2.16	S-70A-A16
1.2.225.21.2.17	S-70A-A17
1.2.225.21.2.18	S-70A-A18
1.2.225.21.2.19	S-70A-A19
1.2.225.21.2.20	S-70A-A20
1.2.225.21.2.21	S-70A-A21
1.2.225.21.2.22	S-70A-A22
1.2.225.21.2.23	S-70A-A24
1.2.225.21.3	Boeing model 107
1.2.225.21.3.1	UH-46 Sea Knight
1.2.225.21.3.2	CH-46 Sea Knight
1.2.225.21.3.2.1	CH-46D

Field Value	Description
1.2.225.21.3.2.2	CH-46E
1.2.225.21.4	S-70C
1.2.225.21.4.1	H-60
1.2.225.21.5	Sikorsky H-76 Eagle
1.2.225.21.6	Sikorsky-S-76b
1.2.225.22	Antisubmarine Warfare/patrol helicopter
1.2.225.22.1	Kaman Seasprite and Super Seasprite
1.2.225.22.1.1	SH-2
1.2.225.22.2	Agusta Sikorsky AS-61/ASH-3H Sea King
1.2.225.22.2.1	SH-3D
1.2.225.22.2.2	SH-3H
1.2.225.22.2.3	SH-3D/TS
1.2.225.22.2.4	ASH-3D
1.2.225.22.2.5	AS-61
1.2.225.22.2.6	SH-3B
1.2.225.22.3	Sikorsky S-70B
1.2.225.22.3.1	SH-60B Seahawk
1.2.225.22.3.2	SH-60F Oceanhawk
1.2.225.22.3.3	HH-60H
1.2.225.22.3.4	HH-60J Jayhawk
1.2.225.22.3.5	HS.23
1.2.225.22.3.6	XSH-60J
1.2.225.22.3.7	UH-60J
1.2.225.22.3.8	S-70B-2
1.2.225.22.3.9	MH-60R Seahawk
1.2.225.23	Cargo helicopter
1.2.225.23.1	Boeing Models 114/414
1.2.225.23.1.1	CH-47 Chinook
1.2.225.23.1.2	CH-47B
1.2.225.23.1.3	CH-47C
1.2.225.23.1.4	CH-47D
1.2.225.23.1.5	CH-147
1.2.225.23.1.6	Chinook HC.Mk 1
1.2.225.23.1.7	Chinook HC.Mk 2
1.2.225.23.1.8	HT.17
1.2.225.23.2	Sikorsky S-80/H-53
1.2.225.23.2.1	CH-53E Super Stallion
1.2.225.23.2.2	MH-53E Sea Dragon
1.2.225.23.2.3	S-80E

Field Value	Description
1.2.225.23.2.4	S-80M
1.2.225.23.3	Sikorsky S-65A
1.2.225.23.3.1	CH-53A Sea Stallion
1.2.225.23.3.2	HH-53B
1.2.225.23.3.3	HH-53C
1.2.225.23.3.4	CH-53A
1.2.225.23.3.5	CH-53D
1.2.225.24	Observation helicopter
1.2.225.24.1	Bell Kiowa
1.2.225.24.1.1	OH-58
1.2.225.24.1.2	CH-136
1.2.225.24.1.3	OH-58C
1.2.225.24.2	Bell Model 406 AHIP
1.2.225.24.2.1	OH-58D Kiowa/Kiowa Warrior
1.2.225.24.3	Bell Model 406 CS Combat Scout
1.2.225.24.3.1	(deleted)
1.2.225.24.3.2	MH-58D Combat Scout
1.2.225.25	Special Operations helicopter
1.2.225.25.1	Sikorsky S-70A
1.2.225.25.1.1	MH-60A
1.2.225.25.1.2	MH-60G Pave Hawk
1.2.225.25.1.3	MH-60K
1.2.225.25.1.4	MH-60L
1.2.225.25.1.5	HH-60G
1.2.225.25.1.6	MH 60S Knight Hawk
1.2.225.25.2	Boeing models 114/414
1.2.225.25.2.1	MH-47E
1.2.225.25.3	Sikorsky S-65/MH-53 Pave Low
1.2.225.25.3.1	HH-53B
1.2.225.25.3.2	HH-53C
1.2.225.25.3.3	CH-53C
1.2.225.25.3.4	MH-53J Pave Low III
1.2.225.25.3.5	MH-53M Pave Low IV
1.2.225.25.3.6	RH-53D
1.2.225.25.4	McDonnell-Douglas 500/530 Defender
1.2.225.25.4.1	MH-6
1.2.225.25.4.2	(deleted)
1.2.225.25.4.3	MH-6J
1.2.225.40	Trainer

Field Value	Description
1.2.225.40.1	Cessna 172
1.2.225.40.1.1	T-41
1.2.225.40.2	Cessna 318
1.2.225.40.2.1	T-37
1.2.225.40.3	Northrop Talon
1.2.225.40.3.1	T-38
1.2.225.40.4	McDonnell-Douglas/B Ae T45TS
1.2.225.40.4.1	T-45 Goshawk
1.2.225.40.5	Beechcraft T-34C
1.2.225.40.5.1	T-34C
1.2.225.40.6	Beechcraft Sierra 200/Sundowner 180
1.2.225.40.6.1	CT-134A Musketeer II
1.2.225.40.7	Lockheed T-33
1.2.225.40.7.1	Silver Star
1.2.225.40.8	Beechcraft Model 400A Beechjet
1.2.225.40.8.1	T-1A Jayhawk
1.2.225.40.9	Boeing TC-135
1.2.225.40.9.1	TC-135W Rivet Joint Trainer
1.2.225.40.9.2	TC-135S Cobra Ball Trainer
1.2.225.40.10	(deleted)
1.2.225.40.11	Cessna 208 Caravan
1.2.225.40.12	Cessna Citation
1.2.225.40.13	Raytheon / Pilatus PC-9 Mk II (Beech Mk II)
1.2.225.40.13.1	T-6A Texan II
1.2.225.50	Unmanned
1.2.225.50.1	RQ-5A Hunter
1.2.225.50.2	(deleted)
1.2.225.50.3	Maneuver UAV
1.2.225.50.4	Predator Medium Altitude Endurance UAV
1.2.225.50.4.1	RQ-1K Predator
1.2.225.50.4.2	RQ-1L Predator
1.2.225.50.4.3	MQ-1L Armed Predator
1.2.225.50.4.4	MQ-9A Predator B
1.2.225.50.5	Lockheed Martin / Boeing Darkstar UAV
1.2.225.50.6	Global Hawk UAV
1.2.225.50.6.1	RQ-4A
1.2.225.50.7	Alliant Techsystems Outrider UAV (formerly known as the Tactical UAV or TUAV)
1.2.225.50.8	RQ-7 Shadow UAV

Field Value	Description
1.2.225.50.8.1	RQ-7A
1.2.225.50.8.2	RQ-7B
1.2.225.50.9	Pioneer UAV
1.2.225.50.10	BQM-74 Chukar
1.2.225.50.11	MQM-107 Streaker
1.2.225.50.12	MTR-15 Ballistic Aerial Target System (BATS)
1.2.225.50.13	FQM-117 Radio Controlled Minature Aerial Target (RCMAT)
1.2.225.50.14	QUH-1 Iroquois Target
1.2.225.50.15	QF-4 Phantom Target
1.2.225.50.16	QF-106 Delta Dart Target
1.2.225.50.17	MQM-8 Vandel
1.2.225.50.18	AQM-37 Challenger
1.2.225.50.19	TDU-34 Rigid Tow Target
1.2.225.50.20	Javelin (BAI Aerosystems lightweight airborne video system)
1.2.225.50.21	X-47A Pegasus UCAV
1.2.225.50.22	FQM-151 Pointer
1.2.225.50.23	BQM-34 Firebee
1.2.225.50.24	X-45 UCAV
1.2.225.50.24.1	X-45A
1.2.225.50.24.2	X-45C
1.2.225.50.25	Boeing ScanEagle
1.2.225.50.25.1	ScanEagle A-15
1.2.225.50.25.2	ScanEagle Dual-Bay
1.2.225.50.26	Boeing A-160 Hummingbird
1.2.225.50.27	Interim Small UAV, Raven
1.2.225.50.28	FCS UAV Class I
1.2.225.50.29	FCS UAV Class II
1.2.225.50.30	FCS UAV Class III
1.2.225.50.31	FCS UAV Class IV
1.2.225.50.31.1	FCS UAV Class IV-a
1.2.225.50.31.2	FCS UAV Class IV-b
1.2.225.57	Non-Combatant Commercial Aircraft
1.2.225.57.1	Passenger Airline
1.2.225.57.1.1	Boeing 747-400
1.2.225.57.1.2	Boeing 757-200
1.2.225.57.1.3	MD-82
1.2.225.57.1.4	MD-82T
1.2.225.57.1.5	MD-90-30-T
1.2.225.57.1.6	Boeing 727

Field Value	Description
1.2.225.57.1.7	Boeing 737
1.2.225.57.1.8	Boeing 767
1.2.225.57.1.9	DC-10
1.2.225.57.1.10	Lockheed L-1011 Tristar
1.2.225.57.1.11	Boeing 707
1.2.225.57.1.12	Boeing 717
1.2.225.57.1.13	Beech 1900

#### 4.2.3.1.3. Surface

Field Value	Description
1.3.225	
1.3.225.1	Carrier
1.3.225.1.1	Nimitz Class
1.3.225.1.1.1	CVN 68 Nimitz
1.3.225.1.1.2	CVN 69 Dwight D. Eisenhower
1.3.225.1.1.3	CVN 70 Carl Vinson
1.3.225.1.1.4	CVN 71 Theodore Roosevelt
1.3.225.1.1.5	CVN 72 Abraham Lincoln
1.3.225.1.1.6	CVN 73 George Washington
1.3.225.1.1.7	CVN 74 John C. Stennis
1.3.225.1.1.8	CVN 75 Harry S. Truman
1.3.225.1.1.9	CVN 76 Ronald Reagan
1.3.225.1.2	Enterprise Class
1.3.225.1.2.1	CVN 65 Enterprise
1.3.225.1.3	Kitty Hawk/John F. Kennedy Class
1.3.225.1.3.1	CV 63 Kitty Hawk
1.3.225.1.3.2	CV 64 Constellation
1.3.225.1.3.3	CV 66 America
1.3.225.1.3.4	CV 67 John F. Kennedy
1.3.225.1.4	Forrestal Class
1.3.225.1.4.1	AVT 59 Forrestal
1.3.225.1.4.2	CV 60 Saratoga
1.3.225.1.4.3	CV 61 Ranger
1.3.225.1.4.4	CV 62 Independence
1.3.225.2	Command Ship/Cruiser
1.3.225.2.1	Blue Ridge Class
1.3.225.2.1.1	LCC 19 Blue Ridge
1.3.225.2.1.2	LLC 20 Mount Whitney

Field Value	Description
1.3.225.2.2	Raleigh and Austin Classes
1.3.225.2.2.1	AGF 11 Coronado
1.3.225.2.2.2	AGF 3 La Salle
1.3.225.3	Guided Missile Cruiser
1.3.225.3.1	Ticonderoga Class
1.3.225.3.1.1	CG 47 Ticonderoga
1.3.225.3.1.2	CG 48 Yorktown
1.3.225.3.1.3	CG 49 Vincennes
1.3.225.3.1.4	CG 50 Valley Forge
1.3.225.3.1.5	CG 51 Thomas S. Gates
1.3.225.3.1.6	CG 52 Bunker Hill
1.3.225.3.1.7	CG 53 Mobile Bay
1.3.225.3.1.8	CG 54 Antietam
1.3.225.3.1.9	CG 55 Leyte Gulf
1.3.225.3.1.10	CG 56 San Jacinto
1.3.225.3.1.11	CG 57 Lake Champlain
1.3.225.3.1.12	CG 58 Philippine Sea
1.3.225.3.1.13	CG 59 Princeton
1.3.225.3.1.14	CG 60 Normandy
1.3.225.3.1.15	CG 61 Monterey
1.3.225.3.1.16	CG 62 Chancellorsville
1.3.225.3.1.17	CG 63 Cowpens
1.3.225.3.1.18	CG 64 Gettysburg
1.3.225.3.1.19	CG 65 Chosin
1.3.225.3.1.20	CG 66 Hue City
1.3.225.3.1.21	CG 67 Shiloh
1.3.225.3.1.22	CG 68 Anzio
1.3.225.3.1.23	CG 69 Vicksburg
1.3.225.3.1.24	CG 70 Lake Erie
1.3.225.3.1.25	CG 71 Cape St. George
1.3.225.3.1.26	CG 72 Vella Gulf
1.3.225.3.1.27	CG 73 Port Royal
1.3.225.3.2	(deleted)
1.3.225.3.2.1	(deleted)
1.3.225.3.2.2	(deleted)
1.3.225.3.2.3	(deleted)
1.3.225.3.2.4	(deleted)
1.3.225.3.3	California Class
1.3.225.3.3.1	CGN 36 California



Field Value	Description
1.3.225.3.3.2	CGN 37 South Carolina
1.3.225.3.4	Truxtun Class
1.3.225.3.4.1	CGN 35 Truxtun
1.3.225.3.5	(deleted)
1.3.225.3.5.1	(deleted)
1.3.225.3.6	Bainbridge Class
1.3.225.3.6.1	CGN 25 Bainbridge
1.3.225.3.7	Leahy Class
1.3.225.3.7.1	(deleted)
1.3.225.3.7.2	(deleted)
1.3.225.3.7.3	(deleted)
1.3.225.3.7.4	CG 19 Dale
1.3.225.3.7.5	CG 20 R. K. Turner
1.3.225.4	Guided Missile Destroyer
1.3.225.4.1	Arleigh Burke Class
1.3.225.4.1.1	DDG 51 Arleigh Burke
1.3.225.4.1.2	DDG 52 Barry
1.3.225.4.1.3	DDG 53 John Paul Jones
1.3.225.4.1.4	DDG 54 Curtis Wilbur
1.3.225.4.1.5	DDG 55 Stout
1.3.225.4.1.6	DDG 56 John S. McCain
1.3.225.4.1.7	DDG 57 Mitscher
1.3.225.4.1.8	DDG 58 Laboon
1.3.225.4.1.9	DDG 59 Russell
1.3.225.4.1.10	DDG 60 Paul Hamilton
1.3.225.4.1.11	DDG 61 Ramage
1.3.225.4.1.12	DDG 62 Fitzgerald
1.3.225.4.1.13	DDG 63 Stethem
1.3.225.4.1.14	DDG 64 Carney
1.3.225.4.1.15	DDG 65 Benfold
1.3.225.4.1.16	DDG 66 Gonzalez
1.3.225.4.1.17	DDG 67 Cole
1.3.225.4.1.18	DDG 68 The Sullivans
1.3.225.4.1.19	DDG 69 Milius
1.3.225.4.1.20	DDG 70 Hopper
1.3.225.4.1.21	DDG 71 Ross
1.3.225.4.1.22	DDG 72 Mahan
1.3.225.4.1.23	DDG 73 DeCatur
1.3.225.4.1.24	DDG 74 McFaul

Field Value	Description
1.3.225.4.1.25	DDG 75 Donald Cook
1.3.225.4.1.26	DDG 76 Higgins
1.3.225.4.1.27	DDG 77 O’Kane
1.3.225.4.1.28	DDG 78 Porter
1.3.225.4.1.29	DDG 79 Oscar Austin
1.3.225.4.1.30	DDG 80 Roosevelt
1.3.225.4.1.31	DDG 81 Winston Churchill
1.3.225.4.1.32	DDG 82 Lassen
1.3.225.4.1.33	DDG 83 Howard
1.3.225.4.1.34	DDG 84 Buckeley
1.3.225.4.1.35	DDG 85 McCampbell
1.3.225.4.1.36	DDG 86 Shoup
1.3.225.4.1.37	DDG 87 Mason
1.3.225.4.1.38	DDG 88 Preble
1.3.225.4.1.39	DDG 89 Mustin
1.3.225.4.1.40	DDG 90 Chafee
1.3.225.4.1.41	DDG 91 Pinckney
1.3.225.4.1.42	DDG 92 Momsen
1.3.225.4.1.43	DDG 93 Chung-Hoon
1.3.225.4.1.44	DDG 94 Nitze
1.3.225.4.1.45	DDG 95 James E. Williams
1.3.225.4.1.46	DDG 96 Bainbridge
1.3.225.4.1.47	DDG 97 Halsey
1.3.225.4.1.48	DDG 98 Forest Sherman
1.3.225.4.1.49	DDG 99 Farragut
1.3.225.4.1.50	DDG 100 Kidd
1.3.225.4.1.51	DDG 101 Gridley
1.3.225.4.1.52	DDG 102 Sampson
1.3.225.4.1.53	DDG 103 Truxtun
1.3.225.4.1.54	DDG 104 Sterett
1.3.225.4.1.55	DDG 105 Dewey
1.3.225.4.2	(deleted)
1.3.225.4.2.1	(deleted)
1.3.225.4.2.2	(deleted)
1.3.225.4.2.3	(deleted)
1.3.225.4.2.4	(deleted)
1.3.225.4.3	Coontz Class
1.3.225.4.3.1	DDG 39 MacDonough
1.3.225.4.3.2	DDG 43 Dahlgren

Field Value	Description
1.3.225.4.4	Charles F. Adams Class
1.3.225.4.4.1	DDG 2 Charles F. Adams
1.3.225.4.5	Modified Charles F. Adams Class
1.3.225.4.5.1	DDG 38 Perth (Australia)
1.3.225.4.5.2	DDG 39 Hobart (Australia)
1.3.225.4.5.3	DDG 41 Brisbane (Australia)
1.3.225.4.6	Fletcher and Allen M Summer Class
1.3.225.4.6.1	DDG 906 Huei Yang (ex. English DDG 696) (Taiwan)
1.3.225.4.6.2	DDG 908 Kuei Yang (ex. Twining DD 540) (Taiwan)
1.3.225.4.6.3	DDG 909 Chin Yang (ex. Mullany DD 528) (Taiwan)
1.3.225.4.6.4	DDG 914 Loa Yang (ex. Taussig DD 746) (Taiwan)
1.3.225.4.6.5	DDG 917 Nan Yang (ex. Thomason DD760) (Taiwan)
1.3.225.4.6.6	DDG 918 An Yang (ex. Kimberly DD 521) (Taiwan)
1.3.225.4.6.7	DDG 919 Kun Yang (ex. Yarnall DD 541) (Taiwan)
1.3.225.4.7	Gearing (Wu Chin I and II Conversions) (FRAM I and II) Class
1.3.225.4.7.1	DDG 907 Fu Yang (ex. Ernest G. Small DD 838) (FRAM II) (Taiwan)
1.3.225.4.7.2	DDG 915 Han Yang (ex. Herbert J. Thomas DD 833) (Taiwan)
1.3.225.4.7.3	DDG 924 Kai Yang (ex. Richard B. Anderson DD 786) (Taiwan)
1.3.225.4.7.4	DDG 926 Shuei Yang (ex. Hawkins DD 873) (Taiwan)
1.3.225.5	Destroyer
1.3.225.5.1	Spruance Class
1.3.225.5.1.1	DD 963 Spruance
1.3.225.5.1.2	DD 964 Paul F. Foster
1.3.225.5.1.3	DD 965 Kinkaid
1.3.225.5.1.4	DD 966 Hewitt
1.3.225.5.1.5	DD 967 Elliott
1.3.225.5.1.6	DD 968 A. W. Radford
1.3.225.5.1.7	DD 969 Peterson
1.3.225.5.1.8	DD 970 Caron
1.3.225.5.1.9	DD 971 David R. Ray
1.3.225.5.1.10	DD 972 Olendorf
1.3.225.5.1.11	DD 973 John Young
1.3.225.5.1.12	DD 974 Comte De Grasse
1.3.225.5.1.13	DD 975 O'Brien
1.3.225.5.1.14	DD 976 Merrill
1.3.225.5.1.15	DD 977 Briscoe
1.3.225.5.1.16	DD 978 Stump
1.3.225.5.1.17	DD 979 Conolly
1.3.225.5.1.18	DD 980 Moosebrugger

Field Value	Description
1.3.225.5.1.19	DD 981 John Hancock
1.3.225.5.1.20	DD 982 Nicholson
1.3.225.5.1.21	DD 983 John Rodgers
1.3.225.5.1.22	DD 984 Leftwich
1.3.225.5.1.23	DD 985 Cushing
1.3.225.5.1.24	DD 986 Harry W. Hill
1.3.225.5.1.25	DD 987 O'Bannon
1.3.225.5.1.26	DD 988 Thorn
1.3.225.5.1.27	DD 989 Deyo
1.3.225.5.1.28	DD 990 Ingersoll
1.3.225.5.1.29	DD 991 Fife
1.3.225.5.1.30	DD 992 Fletcher
1.3.225.5.1.31	DD 997 Hayler
1.3.225.5.2	Modified Gearing FRAM I Class (Turkey)
1.3.225.5.3	Gearing (Wu Chin III Conversion) (FRAM I) Class
1.3.225.5.3.1	DD 912 Chien Yang (ex. James E. Kyes DD 787) (Taiwan)
1.3.225.5.3.2	DD 921 Liao Yang (ex. Hanson DD 832) (Taiwan)
1.3.225.5.3.3	DD 929 Shao Yang (ex. Hollister DD 788) (Taiwan)
1.3.225.5.3.4	DD 925 Te Yang (ex. Sarsfield DD 837) (Taiwan)
1.3.225.5.3.5	DD 928 Chen Yang (ex. Johnston DD 821) (Taiwan)
1.3.225.5.3.6	DD 923 Shen Yang (ex. Power DD 839) (Taiwan)
1.3.225.5.3.7	DD 927 Yun Yang (ex. Hamner DD 718 ) (Taiwan)
1.3.225.6	Guided Missile Frigate
1.3.225.6.1	Oliver Perry Class
1.3.225.6.1.1	FFG 7 O.H. Perry
1.3.225.6.1.2	FFG 8 McInerney
1.3.225.6.1.3	FFG 9 Wadsworth
1.3.225.6.1.4	FFG 10 Duncan
1.3.225.6.1.5	FFG 11 Clark
1.3.225.6.1.6	FFG 12 George Philip
1.3.225.6.1.7	FFG 13 Sam E. Morison
1.3.225.6.1.8	FFG 14 Sides
1.3.225.6.1.9	FFG 15 Estocin
1.3.225.6.1.10	FFG 16 Clifton Sprague
1.3.225.6.1.11	FFG 19 John A. Moore
1.3.225.6.1.12	FFG 20 Antrim
1.3.225.6.1.13	FFG 21 Flatley
1.3.225.6.1.14	FFG 22 Fahrion
1.3.225.6.1.15	FFG 23 Lewis B. Puller

Field Value	Description
1.3.225.6.1.16	FFG 24 Jack Williams
1.3.225.6.1.17	FFG 25 Copeland
1.3.225.6.1.18	FFG 26 Gallery
1.3.225.6.1.19	FFG 27 M. S. Tisdale
1.3.225.6.1.20	FFG 28 Boone
1.3.225.6.1.21	FFG 29 S. W. Groves
1.3.225.6.1.22	FFG 30 Reid
1.3.225.6.1.23	FFG 31 Stark
1.3.225.6.1.24	FFG 32 John L. Hall
1.3.225.6.1.25	FFG 33 Jarrett
1.3.225.6.1.26	FFG 34 Aubrey Fitch
1.3.225.6.1.27	FFG 36 Underwood
1.3.225.6.1.28	FFG 37 Crommelin
1.3.225.6.1.29	FFG 38 Curts
1.3.225.6.1.30	FFG 39 Doyle
1.3.225.6.1.31	FFG 40 Halyburton
1.3.225.6.1.32	FFG 41 McClusky
1.3.225.6.1.33	FFG 42 Klakring
1.3.225.6.1.34	FFG 43 Thatch
1.3.225.6.1.35	FFG 45 De Wert
1.3.225.6.1.36	FFG 46 Rentz
1.3.225.6.1.37	FFG 47 Nicholas
1.3.225.6.1.38	FFG 48 Vandegrift
1.3.225.6.1.39	FFG 49 R. G. Bradley
1.3.225.6.1.40	FFG 50 Jesse L. Taylor
1.3.225.6.1.41	FFG 51 Gary
1.3.225.6.1.42	FFG 52 Carr
1.3.225.6.1.43	FFG 53 Hawes
1.3.225.6.1.44	FFG 54 Ford
1.3.225.6.1.45	FFG 55 Elrod
1.3.225.6.1.46	FFG 56 Simpson
1.3.225.6.1.47	FFG 57 Reuben James
1.3.225.6.1.48	FFG 58 Sam B. Roberts
1.3.225.6.1.49	FFG 59 Kauffman
1.3.225.6.1.50	FFG 60 Rodney M. Davis
1.3.225.6.1.51	FFG 61 Ingraham
1.3.225.6.1.52	F 81 Santa Maria (Spain)
1.3.225.6.1.53	F 82 Victoria (Spain)
1.3.225.6.1.54	F 83 Numancia (Spain)

Field Value	Description
1.3.225.6.1.55	F 84 Reina Sofia (Spain)
1.3.225.6.1.56	F 85 Navarra (Spain)
1.3.225.6.1.57	F 86 Canarias (Spain)
1.3.225.6.1.58	FFG 01 Adelaide (Australia)
1.3.225.6.1.59	FFG 02 Canberra (Australia)
1.3.225.6.1.60	FFG 03 Sydney (Australia)
1.3.225.6.1.61	FFG 04 Darwin (Australia)
1.3.225.6.1.62	FFG 05 Melbourne (Australia)
1.3.225.6.1.63	FFG 06 Newcastle (Australia)
1.3.225.6.2	Knox Class
1.3.225.6.2.1	FFG 932 Chin Yang (ex. Robert E. Perry FF 1073) (Taiwan)
1.3.225.6.2.2	FFG 933 Fong Yang (ex. Brewton FF 1086) (Taiwan)
1.3.225.6.2.3	FFG 934 Feng Yang (ex. Kirk FF 1087) (Taiwan)
1.3.225.6.2.4	FFG 935 Lan Yang (ex. Joseph Hewes FF 1078) (Taiwan)
1.3.225.6.2.5	FFG 936 Hae Yang (ex. Cook FF 1083) (Taiwan)
1.3.225.6.2.6	FFG 937 Hwai Yang (ex. Barbey FF 1088) (Taiwan)
1.3.225.6.2.7	FFG 938 (ex. Downes FF 1070) (Taiwan)
1.3.225.6.2.8	FFG 939 (ex. Aylwin FF 1081) (Taiwan)
1.3.225.6.3	Modified Oliver Perry Class
1.3.225.7	Light/patrol craft
1.3.225.7.1	PC Class
1.3.225.7.1.1	PC 1 Cyclone
1.3.225.7.1.2	PC 2 Tempest
1.3.225.7.1.3	PC 3 Hurricane
1.3.225.7.1.4	PC 4 Monsoon
1.3.225.7.1.5	PC 5 Typhoon
1.3.225.7.1.6	PC 6 Sirocco
1.3.225.7.1.7	PC 7 Squall
1.3.225.7.1.8	PC 8 Zephyr
1.3.225.7.1.9	PC 9 Chinook
1.3.225.7.1.10	PC 10 Firebolt
1.3.225.7.1.11	PC 11 Whirlwind
1.3.225.7.1.12	PC 12 Thunderbolt
1.3.225.7.1.13	PC 13 Shamal
1.3.225.8	Mine countermeasure ship/craft
1.3.225.8.1	Osprey class
1.3.225.8.1.1	MHC 51 Osprey
1.3.225.8.1.2	MHC 52 Heron
1.3.225.8.1.3	MHC 53 Pelican

Field Value	Description
1.3.225.8.1.4	MHC 54 Robin
1.3.225.8.1.5	MHC 55 Oriole
1.3.225.8.1.6	MHC 56 Kingfisher
1.3.225.8.1.7	MHC 57 Cormorant
1.3.225.8.1.8	MHC 58 Blackhawk
1.3.225.8.1.9	MHC 59 Falcon
1.3.225.8.1.10	MHC 60 Cardinal
1.3.225.8.1.11	MHC 61 Raven
1.3.225.8.1.12	MHC 62 Shrike
1.3.225.8.2	Avenger Class
1.3.225.8.2.1	MCM 1 Avenger
1.3.225.8.2.2	MCM 2 Defender
1.3.225.8.2.3	MCM 3 Sentry
1.3.225.8.2.4	MCM 4 Champion
1.3.225.8.2.5	MCM 5 Guardian
1.3.225.8.2.6	MCM 6 Devastator
1.3.225.8.2.7	MCM 7 Patriot
1.3.225.8.2.8	MCM 8 Scout
1.3.225.8.2.9	MCM 9 Pioneer
1.3.225.8.2.10	MCM 10 Warrior
1.3.225.8.2.11	MCM 11 Gladiator
1.3.225.8.2.12	MCM 12 Ardent
1.3.225.8.2.13	MCM 13 Dextrous
1.3.225.8.2.14	MCM 14 Chief
1.3.225.8.3	Acme Class
1.3.225.8.3.1	(deleted)
1.3.225.8.3.2	MSO 511 Affray
1.3.225.8.4	(deleted)
1.3.225.8.4.1	(deleted)
1.3.225.8.4.2	(deleted)
1.3.225.8.4.3	(deleted)
1.3.225.8.4.4	(deleted)
1.3.225.8.4.5	(deleted)
1.3.225.8.4.6	(deleted)
1.3.225.8.4.7	(deleted)
1.3.225.8.4.8	(deleted)
1.3.225.8.4.9	(deleted)
1.3.225.8.4.10	(deleted)
1.3.225.8.4.11	(deleted)

Field Value	Description
1.3.225.8.4.12	(deleted)
1.3.225.8.4.13	(deleted)
1.3.225.8.4.14	(deleted)
1.3.225.8.4.15	(deleted)
1.3.225.8.4.16	(deleted)
1.3.225.8.4.17	(deleted)
1.3.225.8.4.18	(deleted)
1.3.225.8.4.19	(deleted)
1.3.225.9	Dock Landing Ship
1.3.225.9.1	Whidbey Island Class
1.3.225.9.1.1	LSD 41 Whidbey Island
1.3.225.9.1.2	LSD 42 Germantown
1.3.225.9.1.3	LSD 43 Fort McHenry
1.3.225.9.1.4	LSD 44 Gunston Hall
1.3.225.9.1.5	LSD 45 Comstock
1.3.225.9.1.6	LSD 46 Tortuga
1.3.225.9.1.7	LSD 47 Rushmore
1.3.225.9.1.8	LSD 48 Ashland
1.3.225.9.1.9	LSD 49 Harpers Ferry
1.3.225.9.1.10	LSD 50 Carter Hall
1.3.225.9.1.11	LSD 51 Oak Hill
1.3.225.9.1.12	LSD 52 Pearl Harbor
1.3.225.9.2	Anchorage Class
1.3.225.9.2.1	LSD 36 Anchorage
1.3.225.9.2.2	LSD 37 Portland
1.3.225.9.2.3	LSD 38 Pensacola
1.3.225.9.2.4	LSD 39 Mount Vernon
1.3.225.9.2.5	LSD 40 Fort Fisher
1.3.225.10	Tank Landing Ship
1.3.225.10.1	Newport Class
1.3.225.10.1.1	LST 1179 Newport
1.3.225.10.1.2	LST 1180 Manitowac
1.3.225.10.1.3	LST 1181 Sumter
1.3.225.10.1.4	LST 1182 Fresno
1.3.225.10.1.5	LST 1183 Peoria
1.3.225.10.1.6	LST 1184 Frederick
1.3.225.10.1.7	LST 1185 Schenectady
1.3.225.10.1.8	LST 1186 Cayuga
1.3.225.10.1.9	LST 1187 Tuscaloosa



Field Value	Description
1.3.225.10.1.10	LST 1188 Saginaw
1.3.225.10.1.11	LST 1189 San Bernardino
1.3.225.10.1.12	LST 1190 Boulder
1.3.225.10.1.13	LST 1191 Racine
1.3.225.10.1.14	LST 1192 Spartanburg County
1.3.225.10.1.15	LST 1193 Fairfax County
1.3.225.10.1.16	LST 1194 La Moure County
1.3.225.10.1.17	(deleted)
1.3.225.10.1.18	LST 1196 Harlan County
1.3.225.10.1.19	LST 1197 Barnstable County
1.3.225.10.1.20	LST 1198 Bristol County
1.3.225.10.2	Newport Class LPA/LST (modified)
1.3.225.10.2.1	L51 Kanimbla (ex. Saginaw)
1.3.225.10.2.2	L52 Manoora (ex. Fairfax County)
1.3.225.11	Landing Craft
1.3.225.11.1	Landing Craft Air Cusion (LCAC)
1.3.225.11.2	LCU 1600 Class: Utility Landing Craft
1.3.225.11.3	LCU 6 Type: Mechanized Landing Craft
1.3.225.11.4	Landing Craft Personnel (LCPL)
1.3.225.11.5	Amphibious Assault Vehicle (AAV)
1.3.225.11.6	LCU 1610 Class (Transport) (YFU) (Saudia Arabia)
1.3.225.11.6.1	212 Al Qiaq (Saudia Arabia)
1.3.225.14	Hydrofoil
1.3.225.14.1	Pegasus class
1.3.225.14.1.1	PHM 1 Pegasus
1.3.225.14.1.2	PHM 2 Hercules
1.3.225.14.1.3	PHM 3 Taurus
1.3.225.14.1.4	PHM 4 Aquila
1.3.225.14.1.5	PHM 5 Aries
1.3.225.14.1.6	PHM 6 Gemini
1.3.225.16	Auxiliary
1.3.225.16.1	Cimarron class (Fleet Oilers)
1.3.225.16.1.1	AO 177 Cimarron
1.3.225.16.1.2	AO 178 Monongahela
1.3.225.16.1.3	AO 179 Merrimack
1.3.225.16.1.4	AO 180 Willamette
1.3.225.16.1.5	AO 186 Platte
1.3.225.16.2	(deleted)
1.3.225.16.3	(deleted)

Field Value	Description
1.3.225.16.4	(deleted)
1.3.225.16.5	(deleted)
1.3.225.16.6	(deleted)
1.3.225.16.7	(deleted)
1.3.225.16.8	Wichita class (Replenishment Oilers)
1.3.225.16.8.1	AOR 1 Wichita
1.3.225.16.8.2	AOR 2 Milwaukee
1.3.225.16.8.3	AOR 3 Kansas City
1.3.225.16.8.4	AOR 4 Savannah
1.3.225.16.8.5	AOR 5 Wabash
1.3.225.16.8.6	AOR 6 Kalamazoo
1.3.225.16.8.7	AOR 7 Roanoke
1.3.225.16.9	(deleted)
1.3.225.16.10	(deleted)
1.3.225.16.11	(deleted)
1.3.225.16.12	Vulcan class (Repair Ship)
1.3.225.16.12.1	AR 8 Jason
1.3.225.16.13	Fulton class (Submarine Tenders)
1.3.225.16.13.1	AS 18 Orion
1.3.225.16.14	Proteus class (Submarine Tenders)
1.3.225.16.14.1	AS 19 Proteus
1.3.225.16.15	Hunley class (Submarine Tenders)
1.3.225.16.15.1	AS 31 Hunley
1.3.225.16.15.2	AS 32 Holland
1.3.225.16.16	Simon Lake class (Submarine Tenders)
1.3.225.16.16.1	AS 33 Simon Lake
1.3.225.16.16.2	AS 34 Canopus
1.3.225.16.17	Spear class (Submarine Tenders)
1.3.225.16.17.1	AS 36 L. Y. Spear
1.3.225.16.17.2	AS 37 Dixon
1.3.225.16.18	Emory S. Land class (Submarine Tenders)
1.3.225.16.18.1	AS 39 Emory S. Land
1.3.225.16.18.2	AS 40 Frank Cable
1.3.225.16.18.3	AS 41 McKee
1.3.225.16.19	Bolster class (Salvage Ships)
1.3.225.16.19.1	ARS 8 Preserver
1.3.225.16.19.2	ARS 38 Bolster
1.3.225.16.19.3	ARS 39 Conserver
1.3.225.16.19.4	ARS 40 Hoist

Field Value	Description
1.3.225.16.19.5	ARS 41 Opportune
1.3.225.16.19.6	ARS 42 Reclaimer
1.3.225.16.19.7	ARS 43 Recovery
1.3.225.16.20	Safeguard class (Salvage Ships)
1.3.225.16.20.1	ARS 50 Safeguard
1.3.225.16.20.2	ARS 51 Grasp
1.3.225.16.20.3	ARS 52 Salvor
1.3.225.16.20.4	ARS 53 Grapple
1.3.225.16.21	Edenton class (Salvage Ships)
1.3.225.16.21.1	ATS 1 Edenton
1.3.225.16.21.2	ATS 2 Beaufort
1.3.225.16.21.3	ATS 3 Brunswick
1.3.225.16.22	Chanticleer class (Submarine Rescue)
1.3.225.16.22.1	ASR 13 Kittiwake
1.3.225.16.22.2	ASR 15 Sunbird
1.3.225.16.23	Pigeon class (Submarine Rescue)
1.3.225.16.23.1	ASR 21 Pigeon
1.3.225.16.23.2	ASR 22 Ortolan
1.3.225.16.24	Abnaki class (Fleet Ocean Tugs)
1.3.225.16.24.1	ATF 159 Paiute
1.3.225.16.24.2	ATF 160 Papago
1.3.225.17	Auxiliary, Merchant Marine
1.3.225.17.1	Fleet Ballistic Missile Support Ships (Naval Fleet)
1.3.225.17.1.1	TAK 282 Marshfield
1.3.225.17.1.2	TAK 286 Vega
1.3.225.17.2	Ammunition Ship (Naval Fleet)
1.3.225.17.2.1	(deleted)
1.3.225.17.3	Fleet Stores Ship (Naval Fleet)
1.3.225.17.3.1	TAF 58 Rigel
1.3.225.17.4	Combat Stores Ships (Naval Fleet)
1.3.225.17.4.1	TAFS 8 Sirius
1.3.225.17.4.2	TAFS 9 Spica
1.3.225.17.4.3	TAFS 10 Saturn
1.3.225.17.5	Neosho class (Naval Fleet Oilers)
1.3.225.17.5.1	TAO 143 Neosho
1.3.225.17.5.2	TAO 146 Kawishiwi
1.3.225.17.5.3	TAO 148 Ponchatoula
1.3.225.17.6	Henry J. Kaiser class (Naval Fleet Oilers)
1.3.225.17.6.1	TAO 187 Henry J. Kaiser

Field Value	Description
1.3.225.17.6.2	TAO 188 Joshua Humphreys
1.3.225.17.6.3	TAO 189 John Lenthall
1.3.225.17.6.4	TAO 190 Andrew J. Higgins
1.3.225.17.6.5	TAO 191 Benjamin Isherwood
1.3.225.17.6.6	TAO 192 Henry Eckford
1.3.225.17.6.7	TAO 193 Walter S. Diehl
1.3.225.17.6.8	TAO 194 John Ericsson
1.3.225.17.6.9	TAO 195 Leroy Grumman
1.3.225.17.6.10	TAO 196 Kanawha
1.3.225.17.6.11	TAO 197 Pecos
1.3.225.17.6.12	TAO 198 Big Horn
1.3.225.17.6.13	TAO 199 Tippecanoe
1.3.225.17.6.14	TAO 200 Guadaloupe
1.3.225.17.6.15	TAO 201 Patuxent
1.3.225.17.6.16	TAO 202 Yukon
1.3.225.17.6.17	TAO 203 Laramie
1.3.225.17.6.18	TAO 204 Rappahannock
1.3.225.17.7	Powhatan class (Fleet Ocean Tugs)
1.3.225.17.7.1	TATF 166 Powhatan
1.3.225.17.7.2	TATF 167 Narragansett
1.3.225.17.7.3	TATF 168 Catawba
1.3.225.17.7.4	TATF 169 Navajo
1.3.225.17.7.5	TATF 170 Mohawk
1.3.225.17.7.6	TATF 171 Sioux
1.3.225.17.7.7	TATF 172 Apache
1.3.225.17.8	(deleted)
1.3.225.17.9	Maritime Prepositioning Ships (MPS)
1.3.225.17.9.1	TAK 3000 Cpl Louis Hauge Jr.
1.3.225.17.9.2	TAK 3001 Pfc William Baugh
1.3.225.17.9.3	TAK 3002 Pfc James Anderson Jr.
1.3.225.17.9.4	TAK 3003 1st Lt Alexander Bonnyman Jr.
1.3.225.17.9.5	TAK 3004 Pvt Harry Fisher
1.3.225.17.9.6	TAK 3005 Sgt Matej Kocak
1.3.225.17.9.7	TAK 3006 Pfc Eugene A. Obregon
1.3.225.17.9.8	TAK 3007 Maj Stephen W. Pless
1.3.225.17.9.9	TAK 3008 2nd Lt John P. Bobo
1.3.225.17.9.10	TAK 3009 Pfc Dewayne T. Williams
1.3.225.17.9.11	TAK 3010 1st Lt Baldomero Lopez
1.3.225.17.9.12	TAK 3011 1st Lt Jack Lummus

Field Value	Description
1.3.225.17.9.13	TAK 3012 Staff Sgt William R. Button
1.3.225.17.10	Lash (Preposition)
1.3.225.17.10.1	TAK 1015 Green Island
1.3.225.17.10.2	TAK 2043 American Kestrel
1.3.225.17.10.3	TAK 2046 Austral Rainbow
1.3.225.17.10.4	TAK 2064 Green Harbour
1.3.225.17.11	Freighters (Preposition)
1.3.225.17.11.1	TAK 5076 Noble Star
1.3.225.17.11.2	TAK 2040 Advantage
1.3.225.17.11.3	TAK 2062 American Cormorant
1.3.225.17.12	Tankers (PRE-POSITION)
1.3.225.17.12.1	TAOT 170 Sealift China Sea
1.3.225.17.12.2	TAOT 181 Potomac
1.3.225.17.13	Tankers (Ocean Transportation)
1.3.225.17.13.1	TAOT 168 Sealift Pacific
1.3.225.17.13.2	TAOT 169 Sealift Arabian Sea
1.3.225.17.13.3	TAOT 171 Sealift Indian Ocean
1.3.225.17.13.4	TAOT 172 Sealift Atlantic
1.3.225.17.13.5	TAOT 173 Sealift Mediterranean
1.3.225.17.13.6	TAOT 174 Sealift Caribbean
1.3.225.17.13.7	TAOT 175 Sealift Arctic
1.3.225.17.13.8	TAOT 176 Sealift Antarctic
1.3.225.17.13.9	TAOT 1121 Gus W. Darnell
1.3.225.17.13.10	TAOT 1122 Paul Buck
1.3.225.17.13.11	TAOT 1123 Samuel L. Cobb
1.3.225.17.13.12	TAOT 1124 Richard G. Matthieson
1.3.225.17.13.13	TAOT 1125 Lawrence H. Gianella
1.3.225.17.14	Fast Sealift Ships (Strategic Sealift)
1.3.225.17.14.1	TAKR 287 Algol
1.3.225.17.14.2	TAKR 288 Bellatrix
1.3.225.17.14.3	TAKR 289 Denebola
1.3.225.17.14.4	TAKR 290 Pollux
1.3.225.17.14.5	TAKR 291 Altair
1.3.225.17.14.6	TAKR 292 Regulus
1.3.225.17.14.7	TAKR 293 Capella
1.3.225.17.14.8	TAKR 294 Antares
1.3.225.17.15	Aviation Support Ships (Strategic Sealift)
1.3.225.17.15.1	TAVB 3 Wright
1.3.225.17.15.2	TAVB 4 Curtiss

Field Value	Description
1.3.225.17.16	Hospital Ships (Strategic Sealift)
1.3.225.17.16.1	TAH 19 Mercy
1.3.225.17.16.2	TAH 20 Comfort
1.3.225.17.17	Frigate Research Ship (Special Mission Support)
1.3.225.17.17.1	T-AGFF1 Glover
1.3.225.17.18	Missile Range Instrumentation Ships (Special Mission Support)
1.3.225.17.18.1	TAGM 20 Redstone
1.3.225.17.18.2	TAGM 22 Range Sentinel
1.3.225.17.18.3	TAGM 23 Observation Island
1.3.225.17.19	Oceanographic Research Ships (Special Mission Support)
1.3.225.17.19.1	TAGOR 10 Thomas Washington (loan)
1.3.225.17.19.2	TAGOR 12 De Steiguer
1.3.225.17.19.3	TAGOR 13 Bartlett
1.3.225.17.19.4	TAGOR 14 Melville (loan)
1.3.225.17.19.5	TAGOR 15 Knorr (loan)
1.3.225.17.19.6	TAGOR 21 Gyre (loan)
1.3.225.17.19.7	TAGOR 22 Moana Wave (loan)
1.3.225.17.19.8	TAGOR 23 Thomas G. Thompson (loan)
1.3.225.17.19.9	TAGOR 195 Hayes
1.3.225.17.20	Surveying Ships (Special Mission Support)
1.3.225.17.20.1	TAGS 26 Silas Bent
1.3.225.17.20.2	TAGS 27 Kane
1.3.225.17.20.3	TAGS 29 Chauvenet
1.3.225.17.20.4	TAGS 32 Harkness
1.3.225.17.20.5	TAGS 33 Wilkes
1.3.225.17.20.6	TAGS 34 Wyman
1.3.225.17.20.7	TAGS 39 Maury
1.3.225.17.20.8	TAGS 40 Tanner
1.3.225.17.20.9	TAGS 45 Waters
1.3.225.17.20.10	TAGS 51 John McDonnell
1.3.225.17.20.11	TAGS 52 Littlehales
1.3.225.17.20.12	TAGS 60 Pathfinder
1.3.225.17.20.13	TAGS 61 Sumner
1.3.225.17.21	Navigation Test Support Ship (Special Mission Support)
1.3.225.17.21.1	TAG 194 Vanguard
1.3.225.17.22	Cable Repair Ships (Special Mission Support)
1.3.225.17.22.1	TARC 6 Albert J. Myer
1.3.225.17.22.2	TARC 7 Zeus
1.3.225.17.23	Deep Submergence Support Ship (Special Mission Support)

Field Value	Description
1.3.225.17.23.1	TAGDS 2 Point Loma
1.3.225.50	Frigate
1.3.225.50.1	Knox Class
1.3.225.50.1.1	(deleted)
1.3.225.50.1.2	(deleted)
1.3.225.50.1.3	(deleted)
1.3.225.50.1.4	(deleted)
1.3.225.50.1.5	FF 1056 Connole
1.3.225.50.1.6	(deleted)
1.3.225.50.1.7	(deleted)
1.3.225.50.1.8	(deleted)
1.3.225.50.1.9	(deleted)
1.3.225.50.1.10	(deleted)
1.3.225.50.1.11	(deleted)
1.3.225.50.1.12	FF 1063 Reasoner
1.3.225.50.1.13	FF 1064 Lockwood
1.3.225.50.1.14	FF 1065 Stein
1.3.225.50.1.15	FF 1066 Marvin Shields
1.3.225.50.1.16	FF 1067 F. Hammond
1.3.225.50.1.17	FF 1068 Vreeland
1.3.225.50.1.18	(deleted)
1.3.225.50.1.19	FF 1070 Downes
1.3.225.50.1.20	(deleted)
1.3.225.50.1.21	(deleted)
1.3.225.50.1.22	FF 1073 R. E. Peary
1.3.225.50.1.23	FF 1074 Harold E. Holt
1.3.225.50.1.24	FF 1075 Trippe
1.3.225.50.1.25	FF 1076 Fanning
1.3.225.50.1.26	FF 1077 Ouellet
1.3.225.50.1.27	FF 1078 Joseph Hewes
1.3.225.50.1.28	FF 1079 Bowen
1.3.225.50.1.29	FF 1080 Paul
1.3.225.50.1.30	FF 1081 Aylwin
1.3.225.50.1.31	FF 1082 E. Montgomery
1.3.225.50.1.32	FF 1083 Cook
1.3.225.50.1.33	FF 1084 McCandless
1.3.225.50.1.34	FF 1085 D. B. Beary
1.3.225.50.1.35	(deleted)
1.3.225.50.1.36	FF 1087 Kirk

Field Value	Description
1.3.225.50.1.37	(deleted)
1.3.225.50.1.38	FF 1089 J. L. Brown
1.3.225.50.1.39	FF 1090 Ainsworth
1.3.225.50.1.40	(deleted)
1.3.225.50.1.41	FF 1092 T. C. Hart
1.3.225.50.1.42	FF 1093 Capodanno
1.3.225.50.1.43	FF 1094 Pharris
1.3.225.50.1.44	FF 1095 Truett
1.3.225.50.1.45	(deleted)
1.3.225.50.1.46	FF 1097 Moinester
1.3.225.51	Battleship
1.3.225.52	Heavy Cruiser
1.3.225.53	Destroyer Tender
1.3.225.53.1	Sam Gompers/Yellowstone Class
1.3.225.53.1.1	AD 37 Samuel Gompers
1.3.225.53.1.2	AD 38 Puget Sound
1.3.225.53.1.3	AD 41 Yellowstone
1.3.225.53.1.4	AD 42 Acadia
1.3.225.53.1.5	AD 43 Cape Cod
1.3.225.53.1.6	AD 44 Shenandoah
1.3.225.53.2	Dixie Class
1.3.225.53.2.1	AD 15 Prairie
1.3.225.53.2.2	AD 18 Sierra
1.3.225.53.2.3	AD 19 Yosemite
1.3.225.54	Amphibious Assault Ship
1.3.225.54.1	Tarawa Class
1.3.225.54.1.1	LHA 1 Tarawa
1.3.225.54.1.2	LHA 2 Saipan
1.3.225.54.1.3	LHA 3 Belleau Wood
1.3.225.54.1.4	LHA 4 Nassau
1.3.225.54.1.5	LHA 5 Peleliu
1.3.225.54.2	Iwo Jima Class
1.3.225.54.2.1	LPH 2 Iwo Jima
1.3.225.54.2.2	LPH 3 Okinawa
1.3.225.54.2.3	LPH 7 Guadalcanal
1.3.225.54.2.4	LPH 9 Guam
1.3.225.54.2.5	LPH 10 Tripoli
1.3.225.54.2.6	LPH 11 New Orleans
1.3.225.54.2.7	(deleted)



Field Value	Description
1.3.225.54.3	Wasp Class
1.3.225.54.3.1	LHD 1 Wasp
1.3.225.54.3.2	LHD 2 Essex
1.3.225.54.3.3	LHD 3 Kearsage
1.3.225.54.3.4	LHD 4 Boxer
1.3.225.54.3.5	LHD 5 Bataan
1.3.225.54.3.6	LHD 6 Bonhomme Richard
1.3.225.54.3.7	LHD 7 Iwo Jima
1.3.225.54.4	MCS Class
1.3.225.54.4.1	MCS 12 Inchon
1.3.225.55	Amphibious Cargo Ship
1.3.225.55.1	(deleted)
1.3.225.55.1.1	(deleted)
1.3.225.55.1.2	(deleted)
1.3.225.55.1.3	(deleted)
1.3.225.55.1.4	(deleted)
1.3.225.55.1.5	(deleted)
1.3.225.56	Amphibious Transport Dock
1.3.225.56.1	Austin Class
1.3.225.56.1.1	LPD 4 Austin
1.3.225.56.1.2	LPD 5 Ogden
1.3.225.56.1.3	LPD 6 Duluth
1.3.225.56.1.4	LPD 7 Cleveland
1.3.225.56.1.5	LPD 8 Dubuque
1.3.225.56.1.6	LPD 9 Denver
1.3.225.56.1.7	LPD 10 Juneau
1.3.225.56.1.8	LPD 12 Shreveport
1.3.225.56.1.9	LPD 13 Nashville
1.3.225.56.1.10	LPD 14 Trenton
1.3.225.56.1.11	LPD 15 Ponce
1.3.225.56.1.12	(deleted)
1.3.225.56.1.13	(deleted)
1.3.225.56.2	San Antonio Class
1.3.225.56.2.1	LPD 17 San Antonio
1.3.225.56.2.2	LPD 18 New Orleans
1.3.225.56.2.3	LPD 19 Mesa Verde
1.3.225.57	Ammunition Ship
1.3.225.57.1	Kilauea Class
1.3.225.57.1.1	T-AE 26 Kilauea

Field Value	Description
1.3.225.57.1.2	AE 27 Butte
1.3.225.57.1.3	AE 28 Santa Barbara
1.3.225.57.1.4	AE 29 Mount Hood
1.3.225.57.1.5	AE 32 Flint
1.3.225.57.1.6	AE 33 Shasta
1.3.225.57.1.7	AE 34 Mount Baker
1.3.225.57.1.8	AE 35 Kiska
1.3.225.57.2	Suribachi Class
1.3.225.57.2.1	AE 21 Suribachi
1.3.225.57.2.2	AE 22 Mauna Kea
1.3.225.57.2.3	AE 23 Nitro
1.3.225.57.2.4	AE 24 Pyro
1.3.225.57.2.5	AE 25 Haleakala
1.3.225.57.3	(deleted)
1.3.225.58	Combat Stores Ship
1.3.225.58.1	(deleted)
1.3.225.58.2	Mars Class
1.3.225.58.2.1	AFS 1 Mars
1.3.225.58.2.2	AFS 2 Sylvania
1.3.225.58.2.3	AFS 3 Niagara Falls
1.3.225.58.2.4	AFS 4 White Plains
1.3.225.58.2.5	AFS 5 Concord
1.3.225.58.2.6	AFS 6 San Diego
1.3.225.58.2.7	AFS 7 San Jose
1.3.225.59	Surveillance Towed Array Sonar System (SURTASS)
1.3.225.59.1	(deleted)
1.3.225.59.2	SWATH-S (Small) class
1.3.225.59.2.1	TAGOS 19 Victorious
1.3.225.59.2.2	TAGOS 20 Able
1.3.225.59.2.3	TAGOS 21 Effective
1.3.225.59.2.4	TAGOS 22 Loyal
1.3.225.59.3	SWATH-L (Large) class
1.3.225.59.3.1	TAGOS 23 Impeccable
1.3.225.59.4	(deleted)
1.3.225.59.5	(deleted)
1.3.225.59.6	(deleted)
1.3.225.59.7	(deleted)
1.3.225.59.8	Stalwart Class (Ocean Surveillance)
1.3.225.59.8.1	TAGOS 1 Stalwart

Field Value	Description
1.3.225.59.8.2	TAGOS 2 Contender
1.3.225.59.8.3	TAGOS 3 Vindicator
1.3.225.59.8.4	TAGOS 4 Triumph
1.3.225.59.8.5	TAGOS 5 Assurance
1.3.225.59.8.6	TAGOS 6 Persistent
1.3.225.59.8.7	TAGOS 7 Indomitable
1.3.225.59.8.8	TAGOS 8 Prevail
1.3.225.59.8.9	TAGOS 9 Assertive
1.3.225.59.8.10	TAGOS 10 Invincible
1.3.225.59.8.11	TAGOS 11 Audacious
1.3.225.59.8.12	TAGOS 12 Bold
1.3.225.59.8.13	TAGOS 13 Adventurous
1.3.225.59.8.14	TAGOS 14 Worthy
1.3.225.59.8.15	TAGOS 15 Titan
1.3.225.59.8.16	TAGOS 16 Capable
1.3.225.59.8.17	TAGOS 17 Intrepid
1.3.225.59.8.18	TAGOS 18 Relentless
1.3.225.60	Fast Combat Support Ship
1.3.225.60.1	Sacramento Class
1.3.225.60.1.1	AOE 1 Sacramento
1.3.225.60.1.2	AOE 2 Camden
1.3.225.60.1.3	AOE 3 Seattle
1.3.225.60.1.4	AOE 4 Detroit
1.3.225.60.2	Supply Class
1.3.225.60.2.1	AOE 6 Supply
1.3.225.60.2.2	AOE 7 Rainier
1.3.225.60.2.3	AOE 8 Arctic
1.3.225.60.2.4	AOE 10 Bridge
1.3.225.61	Non-Combatant Ship
1.3.225.61.1	Container Class
1.3.225.61.1.1	American Kentucky
1.3.225.61.1.2	Ocean City
1.3.225.61.2	Tanker
1.3.225.61.2.1	Texaco Georgia
1.3.225.61.3	Large Fishing Trawler
1.3.225.61.4	Medium Fishing Boat
1.3.225.61.5	Small Fishing Boat
1.3.225.61.6	Two Masted Fishing Boat
1.3.225.61.7	Single Masted Fishing Boat

Field Value	Description
1.3.225.61.8	Cigarette Boat
1.3.225.62	Coast Guard Cutters
1.3.225.62.1	378-foot High Endurance (WHEC)
1.3.225.62.1.1	Boutwell (WHEC 719)
1.3.225.62.1.2	Chase (WHEC 718)
1.3.225.62.1.3	Dallas (WHEC 716)
1.3.225.62.1.4	Gallatin (WHEC 721)
1.3.225.62.1.5	Hamilton (WHEC 715)
1.3.225.62.1.6	Jarvis (WHEC 725)
1.3.225.62.1.7	Mellon (WHEC 717)
1.3.225.62.1.8	Midgett (WHEC 726)
1.3.225.62.1.9	Morgenthau (WHEC 722)
1.3.225.62.1.10	Munro (WHEC 724)
1.3.225.62.1.11	Rush (WHEC 723)
1.3.225.62.1.12	Sherman (WHEC 720)
1.3.225.62.2	282-foot Medium Endurance (WMEC)
1.3.225.62.2.1	Alex Haley
1.3.225.62.3	Famous Class (WMEC)
1.3.225.62.3.1	Bear (WMEC 901)
1.3.225.62.3.2	Campbell (WMEC 909)
1.3.225.62.3.3	Escanaba (WMEC 907)
1.3.225.62.3.4	Forward (WMEC 911)
1.3.225.62.3.5	Harriet Lane (WMEC 903)
1.3.225.62.3.6	Legare (WMEC 912)
1.3.225.62.3.7	Mohawk (WMEC 913)
1.3.225.62.3.8	Northland (WMEC 904)
1.3.225.62.3.9	Seneca (WMEC 906)
1.3.225.62.3.10	Spencer (WMEC 905)
1.3.225.62.3.11	Tahoma (WMEC 908)
1.3.225.62.3.12	Tampa (WMEC 902)
1.3.225.62.3.13	Thetis (WMEC 910)
1.3.225.62.4	Reliance Class (WMEC)
1.3.225.62.4.1	Active (WMEC 618)
1.3.225.62.4.2	Alert (WMEC 630)
1.3.225.62.4.3	Confidence (WMEC 619)
1.3.225.62.4.4	Dauntless (WMEC 624)
1.3.225.62.4.5	Decisive (WMEC 629)
1.3.225.62.4.6	Dependable (WMEC 626)
1.3.225.62.4.7	Diligence (WMEC 616)

Field Value	Description
1.3.225.62.4.8	Reliance (WMEC 615)
1.3.225.62.4.9	Resolute (WMEC 620)
1.3.225.62.4.10	Steadfast (WMEC 623)
1.3.225.62.4.11	Valiant (WMEC 621)
1.3.225.62.4.12	Venturous (WMEC 625)
1.3.225.62.4.13	Vigilant (WMEC 617)
1.3.225.62.4.14	Vigorous (WMEC 627)
1.3.225.62.5	Island Class (WPB)
1.3.225.62.5.1	Adak (WPB 1333)
1.3.225.62.5.2	Anacapa (WPB 1335)
1.3.225.62.5.3	Aquidneck (WPB 1309)
1.3.225.62.5.4	Assateague (WPB 1337)
1.3.225.62.5.5	Attu (WPB 1317)
1.3.225.62.5.6	Bainbridge Island (WPB 1343)
1.3.225.62.5.7	Baranof (WPB 1318)
1.3.225.62.5.8	Block Island (WPB 1344)
1.3.225.62.5.9	Chandeleur (WPB 1319)
1.3.225.62.5.10	Chincoteague (WPB 1320)
1.3.225.62.5.11	Cushing (WPB 1321)
1.3.225.62.5.12	Cuttyhunk (WPB 1322)
1.3.225.62.5.13	Drummond (WPB 1323)
1.3.225.62.5.14	Edisto (WPB 1313)
1.3.225.62.5.15	Farallon (WPB 1301)
1.3.225.62.5.16	Galveston Island (WPB 1343)
1.3.225.62.5.17	Grand Isle (WPB 1338)
1.3.225.62.5.18	Jefferson Island (WPB 1340)
1.3.225.62.5.19	Key Biscayne (WPB 1339)
1.3.225.62.5.20	Key Largo (WPB 1324)
1.3.225.62.5.21	Kiska (WPB 1336)
1.3.225.62.5.22	Knight Island (WPB 1348)
1.3.225.62.5.23	Kodiak Island (WPB 1341)
1.3.225.62.5.24	Liberty (WPB 1334)
1.3.225.62.5.25	Long Island (WPB 1342)
1.3.225.62.5.26	Manitou (WPB 1302)
1.3.225.62.5.27	Matagorda (WPB 1303)
1.3.225.62.5.28	Matinicus (WPB 1315)
1.3.225.62.5.29	Maui (WPB 1304)
1.3.225.62.5.30	Metompkin (WPB 1325)
1.3.225.62.5.31	Monhegan (WPB 1305)

Field Value	Description
1.3.225.62.5.32	Monomoy (WPB 1326)
1.3.225.62.5.33	Mustang (WPB 1310)
1.3.225.62.5.34	Nantucket (WPB 1316)
1.3.225.62.5.35	Naushon (WPB 1311)
1.3.225.62.5.36	Nunivak (WPB 1306)
1.3.225.62.5.37	Ocracoke (WPB 1307)
1.3.225.62.5.38	Orcas (WPB 1327)
1.3.225.62.5.39	Padre (WPB 1328)
1.3.225.62.5.40	Pea Island (WPB 1347)
1.3.225.62.5.41	Roanoke Island (WPB 1346)
1.3.225.62.5.42	Sanibel (WPB 1312)
1.3.225.62.5.43	Sapelo (WPB 1314)
1.3.225.62.5.44	Sitkinak (WPB 1329)
1.3.225.62.5.45	Staten Island (WPB 1345)
1.3.225.62.5.46	Tybee (WPB 1330)
1.3.225.62.5.47	Vashon (WPB 1308)
1.3.225.62.5.48	Washington (WPB 1331)
1.3.225.62.5.49	Wrangell (WPB 1332)
1.3.225.62.6	Marine Protector Class (WPB)
1.3.225.62.6.1	Adelie (WPB 87333)
1.3.225.62.6.2	Albacore (WPB 87309)
1.3.225.62.6.3	Amberjack (WPB 87315)
1.3.225.62.6.4	Barracuda (WPB 87301)
1.3.225.62.6.5	Beluga (WPB 87325)
1.3.225.62.6.6	Blackfin (WPB 87317)
1.3.225.62.6.7	Blacktip (WPB 87326)
1.3.225.62.6.8	Bluefin (WPB 87318)
1.3.225.62.6.9	Bonito (WPB 87341)
1.3.225.62.6.10	Brant (WPB 87348)
1.3.225.62.6.11	Chinook (WPB 87308)
1.3.225.62.6.12	Cobia (WPB 87311)
1.3.225.62.6.13	Cochito (WPB 87329)
1.3.225.62.6.14	Coho (WPB 87321)
1.3.225.62.6.15	Cormorant (WPB 87313)
1.3.225.62.6.16	Dorado (WPB 87306)
1.3.225.62.6.17	Finback (WPB 87314)
1.3.225.62.6.18	Flyingfish (WPB 87346)
1.3.225.62.6.19	Gannet (WPB 87334)
1.3.225.62.6.20	Haddock (WPB 87347)

Field Value	Description
1.3.225.62.6.21	Halibut (WPB 8734008)
1.3.225.62.6.22	Hammerhead (WPB 87302)
1.3.225.62.6.23	Hawksbill (WPB 87312)
1.3.225.62.6.24	Heron (WPB 87344)
1.3.225.62.6.25	Ibis (WPB 87338)
1.3.225.62.6.26	Kingfisher (WPB 87322)
1.3.225.62.6.27	Kittiwake (WPB 87316)
1.3.225.62.6.28	Mako (WPB 87303)
1.3.225.62.6.29	Manowar (WPB 87330)
1.3.225.62.6.30	Manta (WPB 87320)
1.3.225.62.6.31	Marlin (WPB 87304)
1.3.225.62.6.32	Moray (WPB 87331)
1.3.225.62.6.33	Narwhal (WPB 87335)
1.3.225.62.6.34	Osprey (WPB 87307)
1.3.225.62.6.35	Pelican (WPB 87327)
1.3.225.62.6.36	Petrel (WPB 87350)
1.3.225.62.6.37	Pompano (WPB 87339)
1.3.225.62.6.38	Razorbill (WPB 87332)
1.3.225.62.6.39	Ridley (WPB 87328)
1.3.225.62.6.40	Seahawk (WPB 87323)
1.3.225.62.6.41	Shearwater (WPB 87349)
1.3.225.62.6.42	Shrike (WPB 87342)
1.3.225.62.6.43	Sockeye (WPB 87337)
1.3.225.62.6.44	Steelhead (WPB 87324)
1.3.225.62.6.45	Stingray (WPB 87305)
1.3.225.62.6.46	Sturgeon (WPB 87336)
1.3.225.62.6.47	Tarpon (WPB 87310)
1.3.225.62.6.48	Tern (WPB 87343)
1.3.225.62.6.49	Wahoo (WPB 87345)
1.3.225.62.6.50	Yellowfin (WPB 87319)
1.3.225.62.7	Point Class (WPB)
1.3.225.62.7.1	Point Brower (WPB 87372)
1.3.225.63	Coast Guard Boats
1.3.225.63.1	52-foot Motor Life Boats (MLB)
1.3.225.63.2	47-foot Motor Life Boats (MLB)
1.3.225.63.3	44-foot Motor Life Boats (MLB)
1.3.225.63.4	41-foot Utility Boats (UTB)
1.3.225.63.5	38-foot Deployable Pursuit Boat (DPB)
1.3.225.63.6	21-64-foot Aids to Navigation Boats

Field Value	Description
1.3.225.63.7	25-foot Transportable Port Security Boats (TPSB)
1.3.225.63.8	Rigid Hull Inflatable Boats (RHI)

## 4.2.3.1.4. Subsurface

Field Value	Description
1.4.225	
1.4.225.1	SSBN (Nuclear Ballistic Missile)
1.4.225.1.1	(deleted)
1.4.225.1.1.1	(deleted)
1.4.225.1.1.2	(deleted)
1.4.225.1.1.3	(deleted)
1.4.225.1.1.4	(deleted)
1.4.225.1.1.5	(deleted)
1.4.225.1.2	(deleted)
1.4.225.1.2.1	(deleted)
1.4.225.1.2.2	(deleted)
1.4.225.1.2.3	(deleted)
1.4.225.1.2.4	(deleted)
1.4.225.1.2.5	(deleted)
1.4.225.1.2.6	(deleted)
1.4.225.1.2.7	(deleted)
1.4.225.1.2.8	(deleted)
1.4.225.1.3	Ohio class
1.4.225.1.3.1	(deleted)
1.4.225.1.3.2	(deleted)
1.4.225.1.3.3	(deleted)
1.4.225.1.3.4	(deleted)
1.4.225.1.3.5	SSBN 730 Henry M. Jackson
1.4.225.1.3.6	SSBN 731 Alabama
1.4.225.1.3.7	SSBN 732 Alaska
1.4.225.1.3.8	SSBN 733 Nevada
1.4.225.1.3.9	SSBN 734 Tennessee
1.4.225.1.3.10	SSBN 735 Pennsylvania
1.4.225.1.3.11	SSBN 736 West Virginia
1.4.225.1.3.12	SSBN 737 Kentucky
1.4.225.1.3.13	SSBN 738 Maryland
1.4.225.1.3.14	SSBN 739 Nebraska
1.4.225.1.3.15	SSBN 740 Rhode Island



Field Value	Description
1.4.225.1.3.16	SSBN 741 Maine
1.4.225.1.3.17	SSBN 742 Wyoming
1.4.225.2	SSGN (Nuclear Guided Missile)
1.4.225.2.1	Ohio 726
1.4.225.2.2	Michigan 727
1.4.225.2.3	Florida 728
1.4.225.2.4	Georgia 729
1.4.225.3	SSN (Nuclear Attack-Torpedo)
1.4.225.3.1	Seawolf class
1.4.225.3.1.1	SSN 21 Seawolf
1.4.225.3.1.2	SSN 22 Connecticut
1.4.225.3.1.3	SSN 23 Jimmy Carter
1.4.225.3.2	Sturgeon class
1.4.225.3.2.1	(deleted)
1.4.225.3.2.2	(deleted)
1.4.225.3.2.3	(deleted)
1.4.225.3.2.4	(deleted)
1.4.225.3.2.5	(deleted)
1.4.225.3.2.6	(deleted)
1.4.225.3.2.7	(deleted)
1.4.225.3.2.8	(deleted)
1.4.225.3.2.9	(deleted)
1.4.225.3.2.10	(deleted)
1.4.225.3.2.11	(deleted)
1.4.225.3.2.12	(deleted)
1.4.225.3.2.13	(deleted)
1.4.225.3.2.14	(deleted)
1.4.225.3.2.15	(deleted)
1.4.225.3.2.16	(deleted)
1.4.225.3.2.17	(deleted)
1.4.225.3.2.18	(deleted)
1.4.225.3.2.19	(deleted)
1.4.225.3.2.20	(deleted)
1.4.225.3.2.21	(deleted)
1.4.225.3.2.22	(deleted)
1.4.225.3.2.23	(deleted)
1.4.225.3.2.24	(deleted)
1.4.225.3.2.25	(deleted)
1.4.225.3.2.26	(deleted)

Field Value	Description
1.4.225.3.2.27	(deleted)
1.4.225.3.2.28	(deleted)
1.4.225.3.2.29	(deleted)
1.4.225.3.2.30	SSN 683 Parche
1.4.225.3.2.31	SSN 684 Cavalla
1.4.225.3.2.32	(deleted)
1.4.225.3.2.33	(deleted)
1.4.225.3.3	(deleted)
1.4.225.3.3.1	(deleted)
1.4.225.3.4	Los Angeles class
1.4.225.3.4.1	SSN 688 Los Angeles
1.4.225.3.4.2	(deleted)
1.4.225.3.4.3	SSN 690 Philadelphia
1.4.225.3.4.4	SSN 691 Memphis
1.4.225.3.4.5	(deleted)
1.4.225.3.4.6	(deleted)
1.4.225.3.4.7	(deleted)
1.4.225.3.4.8	(deleted)
1.4.225.3.4.9	(deleted)
1.4.225.3.4.10	(deleted)
1.4.225.3.4.11	SSN 698 Bremerton
1.4.225.3.4.12	SSN 699 Jacksonville
1.4.225.3.4.13	SSN 700 Dallas
1.4.225.3.4.14	SSN 701 La Jolla
1.4.225.3.4.15	(deleted)
1.4.225.3.4.16	(deleted)
1.4.225.3.4.17	(deleted)
1.4.225.3.4.18	SSN 705 City of Corpus Christi
1.4.225.3.4.19	SSN 706 Albuquerque
1.4.225.3.4.20	SSN 707 Portsmouth
1.4.225.3.4.21	SSN 708 Minneapolis-Saint Paul
1.4.225.3.4.22	SSN 709 Hyman G. Rickover
1.4.225.3.4.23	SSN 710 Augusta
1.4.225.3.4.24	SSN 711 San Francisco
1.4.225.3.4.25	SSN 712 Atlanta
1.4.225.3.4.26	SSN 713 Houston
1.4.225.3.4.27	SSN 714 Norfolk
1.4.225.3.4.28	SSN 715 Buffalo
1.4.225.3.4.29	SSN 716 Salt Lake City

Field Value	Description
1.4.225.3.4.30	SSN 717 Olympia
1.4.225.3.4.31	SSN 718 Honolulu
1.4.225.3.4.32	SSN 719 Providence
1.4.225.3.4.33	SSN 720 Pittsburgh
1.4.225.3.4.34	SSN 721 Chicago
1.4.225.3.4.35	SSN 722 Key West
1.4.225.3.4.36	SSN 723 Oklahoma City
1.4.225.3.4.37	SSN 724 Louisville
1.4.225.3.4.38	SSN 725 Helena
1.4.225.3.4.39	SSN 750 Newport News
1.4.225.3.4.40	SSN 751 San Juan
1.4.225.3.4.41	SSN 752 Pasadena
1.4.225.3.4.42	SSN 753 Albany
1.4.225.3.4.43	SSN 754 Topeka
1.4.225.3.4.44	SSN 755 Miami
1.4.225.3.4.45	SSN 756 Scranton
1.4.225.3.4.46	SSN 757 Alexandria
1.4.225.3.4.47	SSN 758 Asheville
1.4.225.3.4.48	SSN 759 Jefferson City
1.4.225.3.4.49	SSN 760 Annapolis
1.4.225.3.4.50	SSN 761 Springfield
1.4.225.3.4.51	SSN 762 Columbus
1.4.225.3.4.52	SSN 763 Santa Fe
1.4.225.3.4.53	SSN 764 Boise
1.4.225.3.4.54	SSN 765 Montpelier
1.4.225.3.4.55	SSN 766 Charlotte
1.4.225.3.4.56	SSN 767 Hampton
1.4.225.3.4.57	SSN 768 Hartford
1.4.225.3.4.58	SSN 769 Toledo
1.4.225.3.4.59	SSN 770 Tucson
1.4.225.3.4.60	SSN 771 Columbia
1.4.225.3.4.61	SSN 772 Greeneville
1.4.225.3.4.62	SSN 773 Cheyenne
1.4.225.3.5	Virginia Class
1.4.225.3.5.1	SSN 774 Virginia
1.4.225.3.5.2	SSN 775 Texas
1.4.225.3.5.3	SSN 776 Hawaii
1.4.225.3.5.4	SSN 777 No. Carolina
1.4.225.7	SSA(Conventional Auxiliary)

Field Value	Description
1.4.225.7.1	Dolphin Class
1.4.225.7.1.1	AGSS 555 Dolphin
1.4.225.7.2	Advanced SEAL Delivery System Class
1.4.225.7.2.1	ASDS-1

#### 4.2.3.1.5. Space

Field Value	Description
1.5.225	
1.5.225.0	Other
1.5.225.0.1	Space Shuttle Vehicle
1.5.225.0.2	National Launch System (NLS)
1.5.225.0.3	(deleted)
1.5.225.0.4	SOTV
1.5.225.0.5	SMV
1.5.225.1	Manned
1.5.225.1.1	Space Shuttle Orbiter
1.5.225.1.1.1	Atlantis
1.5.225.1.1.2	Discovery
1.5.225.1.1.3	Columbia
1.5.225.1.1.4	Endeavor
1.5.225.1.1.5	Enterprise
1.5.225.1.2	Space Station
1.5.225.1.2.1	Freedom
1.5.225.2	Unmanned
1.5.225.2.1	Communication satellite
1.5.225.2.1.1	Leasat
1.5.225.2.1.2	DSCS
1.5.225.2.1.3	Fleetsatcom
1.5.225.2.1.4	Milstar
1.5.225.2.1.5	SDS
1.5.225.2.1.6	Tactical Data Relay Satellite System (TDRSS)
1.5.225.2.1.7	Lightsat
1.5.225.2.1.8	STEP/Eagle
1.5.225.2.1.9	LES/Tacsat
1.5.225.2.2	Navigation satellite
1.5.225.2.2.1	Transit
1.5.225.2.2.2	Global Positioning System (GPS)

Field Value	Description
1.5.225.2.2.3	Navstar 41-60 (launch 1996 or 1997)
1.5.225.2.3	Early Warning satellite
1.5.225.2.3.1	DSP
1.5.225.2.3.2	MICRO-SAT
1.5.225.2.3.3	SIBRS
1.5.225.2.4	Electronic Intelligence (ELINT) satellite
1.5.225.2.4.1	Rhyolite
1.5.225.2.4.2	Magnum
1.5.225.2.4.3	Challet/Vortex
1.5.225.2.4.4	Jumpseat
1.5.225.2.5	Meteorology satellite
1.5.225.2.5.1	Defense Meteorological Satellite Program (DMSP)
1.5.225.2.6	Ocean Surveillance satellite
1.5.225.2.6.1	White Cloud
1.5.225.2.7	Imaging Radar Surveillance satellite
1.5.225.2.7.1	Lacrosse
1.5.225.2.8	Optical Imaging Surveillance satellite
1.5.225.2.8.1	KH11
1.5.225.2.8.2	Advanced KH11
1.5.225.2.9	SDI satellite
1.5.225.2.9.1	Delta 181
1.5.225.2.9.2	E2I (Endo-Exoatmospheric Interceptor)
1.5.225.3	Booster
1.5.225.3.1	Atlas
1.5.225.3.2	Conestoga
1.5.225.3.3	Delta
1.5.225.3.4	Pegasus
1.5.225.3.5	Scout
1.5.225.3.6	Taurus
1.5.225.3.7	Titan
1.5.225.3.8	Tomahawk

#### 4.2.3.2. Commonwealth of Independent States Platform

##### 4.2.3.2.1. Land

Field Value	Description
-------------	-------------

Field Value	Description
1.1.222	
1.1.222.0	Other
1.1.222.0.0	Bridges
1.1.222.0.0.1	PMM-2 Amphibious Bridging and Ferry System
1.1.222.0.0.2	Amphibious Bridging System (Wheeled) (ABS(W))
1.1.222.0.0.3	MTU-72 armored bridgelayer
1.1.222.0.0.4	MTU-20 armored bridgelayer w/bridge
1.1.222.0.0.5	MTU armored bridgelayer
1.1.222.0.0.6	TMM truck-mounted treadway
1.1.222.0.0.7	KMM truck-mounted treadway
1.1.222.0.0.8	DPP-40 floating bridge equipment
1.1.222.0.0.9	GSP heavy amphibious ferry
1.1.222.0.0.10	PVD-20 airportable
1.1.222.0.0.11	PMP heavy folding pontoon
1.1.222.0.0.12	PPS heavy girder floating
1.1.222.0.0.13	PVM foot suspension
1.1.222.0.0.14	LVM light suspension
1.1.222.0.0.15	TVM heavy suspension
1.1.222.0.0.16	Underwater bridge set
1.1.222.0.0.17	MARM sectional arch
1.1.222.0.0.18	RMM-4 portable steel fixed
1.1.222.0.0.19	SARM sectional deck truss
1.1.222.0.0.20	REM-500 railway and road-section
1.1.222.0.0.21	NZhM-56 heavy floating railway and road
1.1.222.0.0.22	Heavy barge
1.1.222.0.0.23	BMK-T bridging boat
1.1.222.0.0.24	BMK-130 bridging boat
1.1.222.0.0.25	BMK-150 bridging boat
1.1.222.0.0.26	BMK-70 bridging boat
1.1.222.0.0.27	BMK-90 bridging boat
1.1.222.0.0.28	MTU-20 armored bridgelayer w/o bridge
1.1.222.0.0.29	MTU-20 bridge
1.1.222.0.2	Missile Transporter/Launcher
1.1.222.0.2.1	SS-25 TEL
1.1.222.1	Tank
1.1.222.1.1	T-80 MBT
1.1.222.1.1.1	T-80
1.1.222.1.1.2	T-80B
1.1.222.1.1.3	T-80BK

Field Value	Description
1.1.222.1.1.4	T-80BV
1.1.222.1.1.5	T-80BVK
1.1.222.1.1.6	T-80U
1.1.222.1.1.7	T-80Uv
1.1.222.1.1.8	T-80 w/mine plow roller
1.1.222.1.1.9	T-80Uv w/mine plow roller
1.1.222.1.1.10	T-80U w/Reactive Armor
1.1.222.1.2	T-72 MBT
1.1.222.1.2.1	T-72
1.1.222.1.2.2	T-72M
1.1.222.1.2.3	T-72K
1.1.222.1.2.4	T-72A
1.1.222.1.2.5	T-72AK
1.1.222.1.2.6	T-72B
1.1.222.1.2.7	T-72BK
1.1.222.1.2.8	T-72B1
1.1.222.1.2.9	T-72B1K
1.1.222.1.2.10	T-72 Bv
1.1.222.1.2.11	T-72 Bv w/mine plow roller
1.1.222.1.2.12	T-72 w/mine plow roller
1.1.222.1.2.13	T-72S
1.1.222.1.3	T-64 MBT
1.1.222.1.3.1	T-64A
1.1.222.1.3.2	T-64AK
1.1.222.1.3.3	T-64B
1.1.222.1.3.4	T-64BV
1.1.222.1.3.5	T-64B1
1.1.222.1.3.6	T-64B1K
1.1.222.1.3.7	T-64BV1K
1.1.222.1.3.8	T-64R
1.1.222.1.3.9	T-64 Bv w/mine plow roller
1.1.222.1.4	T-62 MBT
1.1.222.1.4.1	T-62
1.1.222.1.4.2	T-62K
1.1.222.1.4.3	T-62M
1.1.222.1.4.4	T-62MK
1.1.222.1.4.5	T-62MV
1.1.222.1.4.6	T-62M1
1.1.222.1.4.7	T-62 Bv w/mine plow roller

Field Value	Description
1.1.222.1.5	T-54 MBT
1.1.222.1.5.1	T-54
1.1.222.1.5.2	T-54K
1.1.222.1.5.3	T-54B
1.1.222.1.5.4	T-54BK
1.1.222.1.5.5	T-54M
1.1.222.1.5.6	T-54MK
1.1.222.1.6	T-55 MBT
1.1.222.1.6.1	T-55
1.1.222.1.6.2	T-55K
1.1.222.1.6.3	T-55A
1.1.222.1.6.4	T-55AD
1.1.222.1.6.5	T-55AK
1.1.222.1.6.6	T-55AM
1.1.222.1.6.7	T-55AMD
1.1.222.1.6.8	T-55AMK
1.1.222.1.6.9	T-55AMV
1.1.222.1.6.10	T-55M
1.1.222.1.6.11	T-55MK
1.1.222.1.6.12	T-55MVK
1.1.222.1.8	PT-76 Amphibious light tank
1.1.222.1.8.1	PT-76A
1.1.222.1.8.2	PT-76B
1.1.222.1.9	T-90 MBT
1.1.222.1.10	T-34/85
1.1.222.1.11	T-80UK Command Tank
1.1.222.2	Armored fighting vehicle
1.1.222.2.1	BMP-1
1.1.222.2.1.1	BMP-1, basic model 1970
1.1.222.2.1.2	BMP-1K command
1.1.222.2.1.3	BMP-1K3 command
1.1.222.2.1.4	BMP-1P w/ AT-4 ATGW
1.1.222.2.1.5	BMP-1PK command
1.1.222.2.1.6	BRM-1K recon (aka M-1976)
1.1.222.2.1.7	(deleted)
1.1.222.2.1.8	(deleted)
1.1.222.2.1.9	BMP-1KShM unarmed command
1.1.222.2.2	BMP-2
1.1.222.2.2.1	BMP-2



Field Value	Description
1.1.222.2.2.2	BMP-2D
1.1.222.2.2.3	BMP-2K
1.1.222.2.2.4	BMP-2 w/ KMT-8/KMT-10
1.1.222.2.2.5	BVP-2 (Czech)
1.1.222.2.3	BMP-3
1.1.222.2.3.1	BMP-3 [(SIFV) M1990/1]
1.1.222.2.3.2	BRM-3K Reconnaissance Vehicle
1.1.222.2.3.3	BMP-3K Command variant
1.1.222.2.4	BRDM-2 Reconnaissance vehicle
1.1.222.2.4.1	BRDM-2 w/ AT-2 ATGM
1.1.222.2.4.2	BRDM-2 w/ AT-3 ATGM
1.1.222.2.4.3	BRDM-2 w/ AT-5 ATGM
1.1.222.2.4.4	BRDM-2-RKhb NBC
1.1.222.2.4.5	BRDM-2U command
1.1.222.2.4.6	BRDM-2 w/14.5mm
1.1.222.2.5	BTR-40 Reconnaissance vehicle
1.1.222.2.5.1	BTR-40
1.1.222.2.5.2	BTR-40B
1.1.222.2.5.3	BTR-40A anti-air
1.1.222.2.5.4	BTR-40Kh chemical reconnaissance
1.1.222.2.5.5	BTR-40zhd railroad
1.1.222.2.6	BTR-152
1.1.222.2.6.1	BTR-152
1.1.222.2.6.2	BTR-152V
1.1.222.2.6.3	BTR-152V1
1.1.222.2.6.4	BTR-152V2
1.1.222.2.6.5	BTR-152V3
1.1.222.2.6.6	BTR-152K
1.1.222.2.6.7	BTR-152U
1.1.222.2.6.8	BTR-152A
1.1.222.2.7	MT-LB tracked vehicle
1.1.222.2.7.1	MT-LB 1V12
1.1.222.2.7.2	MT-LB 1V13 (battery Fire Direction Center (FDC))
1.1.222.2.7.3	MT-LB 1V14 (battery Command Post)
1.1.222.2.7.4	MT-LB 1V15 (battalion command)
1.1.222.2.7.5	MT-LB 1V16 (battalion FDC)
1.1.222.2.7.6	MT-LB 1V12M (artillery C2)
1.1.222.2.7.7	MT-LB 1V13M (artillery C2)
1.1.222.2.7.8	MT-LB 1V14M (artillery C2)

Field Value	Description
1.1.222.2.7.9	MT-LB 1V15M (artillery C2)
1.1.222.2.7.10	MT-LB 1V16M (artillery C2)
1.1.222.2.7.11	MT-LB 1V21 staff command
1.1.222.2.7.12	MT-LB 1V22 air defense management
1.1.222.2.7.13	MT-LB 1V23 C2
1.1.222.2.7.14	MT-LB 1V24 artillery C3
1.1.222.2.7.15	MT-LB 1V25 AD management
1.1.222.2.7.16	(deleted)
1.1.222.2.7.17	(deleted)
1.1.222.2.7.18	MT-LB SNAR-10 radar
1.1.222.2.7.19	MT-LBV snow/swamp
1.1.222.2.7.20	(deleted)
1.1.222.2.7.21	MT-LB ambulance
1.1.222.2.7.22	MT-LBR repair
1.1.222.2.7.23	MT-LB w/ AT-6 (Anti-Tank Guided Weapon) ATGW
1.1.222.2.7.24	RKhM (Chemical Recon)
1.1.222.2.8	BTR-60
1.1.222.2.8.1	BTR-60
1.1.222.2.8.2	BTR-60P
1.1.222.2.8.3	BTR-60PA
1.1.222.2.8.4	BTR-60PB
1.1.222.2.8.5	BTR-60PU
1.1.222.2.8.6	BTR-60PBK command
1.1.222.2.8.7	BTR-60PU command
1.1.222.2.8.8	BTR-60PU-12 air defense command
1.1.222.2.8.9	BTR-601V19 FDC
1.1.222.2.8.10	BTR-601V18 artillery observation
1.1.222.2.8.11	BTR-60 R-145BM communications
1.1.222.2.8.12	BTR-60 R-975 forward air controller
1.1.222.2.8.13	BTR-60-E-351BR generator
1.1.222.2.8.14	BTR-60-P-238T switchboard
1.1.222.2.8.15	BTR-60-P-240T switchboard
1.1.222.2.8.16	BTR-60-P-241T field telephone
1.1.222.2.9	BTR-50 Amphibious Tracked APC
1.1.222.2.9.1	BTR-50P
1.1.222.2.9.2	BTR-50PA
1.1.222.2.9.3	BTR-50PK
1.1.222.2.9.4	BTR-50PU
1.1.222.2.9.5	BTR-50PU R82

Field Value	Description
1.1.222.2.9.6	BTR-50PU-11
1.1.222.2.9.7	BTR-50PUM
1.1.222.2.9.8	BTR-50PUR
1.1.222.2.9.9	BTR-50PK(B)
1.1.222.2.9.10	MTP technical support
1.1.222.2.9.11	MTK mineclearing
1.1.222.2.9.12	MTR-1 repair
1.1.222.2.10	(deleted)
1.1.222.2.11	BMD airborne fire support vehicle
1.1.222.2.11.1	BMD-1
1.1.222.2.11.2	BMD-1P w/ AT-3 ATGW
1.1.222.2.11.3	BMD-2
1.1.222.2.11.4	BMD w/ 82-mm mortar
1.1.222.2.11.5	BMD KShM command
1.1.222.2.11.6	BTR-D
1.1.222.2.11.7	BMD-3
1.1.222.2.11.8	BTR-RD ATGM section vehicle
1.1.222.2.11.9	BTR-ZD MANPADS section vehicle
1.1.222.2.11.10	BTR-D with 23-mm ZU-23
1.1.222.2.11.11	ACRV, 1V119
1.1.222.2.12	BTR-70
1.1.222.2.12.1	BTR-70
1.1.222.2.12.2	BTR-70 M1986/1
1.1.222.2.12.3	BTR-70Kh chemical reconnaissance
1.1.222.2.12.4	BTR-70 w/ AGS-17
1.1.222.2.12.5	SPR-2 (poss jammer)
1.1.222.2.12.6	BTR-70MS communications
1.1.222.2.12.7	BTR-70KShM command/staff
1.1.222.2.12.8	BTR-70 BREM repair
1.1.222.2.13	BTR-80
1.1.222.2.13.1	BTR-80
1.1.222.2.13.2	BTR-80 M1981/1 command
1.1.222.2.13.3	BTR-80 RKhM-4 chemical & reconnaissance
1.1.222.2.13.4	BTR-80 UNSh
1.1.222.2.13.5	BMM-1 Ambulance
1.1.222.2.13.6	BMM-2 Bn Aid Station
1.1.222.2.13.7	BMM-3 Mobile Dressing Station
1.1.222.2.13.8	BTR-80A
1.1.222.2.14	(deleted)

Field Value	Description
1.1.222.2.15	BRDM-1 Reconnaissance vehicle
1.1.222.2.15.1	BRDM-1
1.1.222.2.15.2	BRDM-1-RKhb
1.1.222.2.15.3	BRDM-U
1.1.222.2.16	BTR-90
1.1.222.2.17	GMZ TML
1.1.222.2.17.1	GMZ-3
1.1.222.2.18	MT-LBu Tracked Vehicle
1.1.222.2.18.1	Rangir (9S737) C3 Battery Command Post
1.1.222.2.18.2	R-330 B Jammer
1.1.222.2.18.3	MP22R (1V22R) Division AD
1.1.222.2.18.4	MP23R (1V23R) GCI C3
1.1.222.2.18.5	MP24R (1V24R) Artillery Control
1.1.222.2.18.6	MP25R (1V25R) Division AD
1.1.222.2.18.7	9S80 MT-LBu with DOG EAR radar
1.1.222.2.19	PRP-3 with Small Fred radar
1.1.222.2.20	PRP-4
1.1.222.3	Armored utility vehicle
1.1.222.3.1	BTS-2 medium armored tractor
1.1.222.3.2	MTP maintenance vehicle
1.1.222.3.3	IMR combat engineer vehicle
1.1.222.3.3.1	IMR-2 combat engineer vehicle
1.1.222.3.4	IRM engineer reconnaissance vehicle
1.1.222.3.5	BAT-2 combat engineer vehicle
1.1.222.3.6	MT-LB engineer vehicle
1.1.222.3.7	BTU tank-mounted bulldozer
1.1.222.3.8	BTU-55 tank-mounted bulldozer
1.1.222.3.9	BREM-1 recovery and repair vehicle
1.1.222.3.10	M1977 armored recovery vehicle
1.1.222.3.11	T-54-T armored recovery vehicle
1.1.222.3.12	T-55-T armored recovery vehicle
1.1.222.3.13	T-55-TK armored recovery vehicle
1.1.222.3.14	BTR-50PK(B) amphibious recovery vehicle
1.1.222.3.15	BREM-4 light recovery vehicle
1.1.222.3.16	MTP-LB technical support vehicle
1.1.222.4	Self-propelled artillery
1.1.222.4.1	M-1973 152-mm gun (2S3) (SO-152)
1.1.222.4.2	M-1974 122-mm Howitzer (2S1) (SO-122)
1.1.222.4.3	(deleted)

Field Value	Description
1.1.222.4.4	(deleted)
1.1.222.4.5	(deleted)
1.1.222.4.6	Frog-3 rocket launcher
1.1.222.4.7	Frog-4 rocket launcher
1.1.222.4.8	Frog-5 rocket launcher
1.1.222.4.9	Frog-7 rocket launcher
1.1.222.4.10	SS-1 Scud missile launcher
1.1.222.4.10.1	Scud A
1.1.222.4.10.2	Scud B
1.1.222.4.10.2.1	TEL Decoy
1.1.222.4.10.3	Scud C
1.1.222.4.11	(deleted)
1.1.222.4.12	BM-14-17 140-mm rocket launcher
1.1.222.4.13	BM-21 122-mm rocket launcher
1.1.222.4.14	M-1975 120-mm rocket launcher
1.1.222.4.15	BM-24 240-mm rocket launcher
1.1.222.4.16	BM-25 250-mm rocket launcher
1.1.222.4.17	(deleted)
1.1.222.4.18	(deleted)
1.1.222.4.19	(deleted)
1.1.222.4.20	(deleted)
1.1.222.4.21	(deleted)
1.1.222.4.22	(deleted)
1.1.222.4.23	2S4 M-1975 240-mm mortar
1.1.222.4.24	2S7 M-1975 203-mm gun
1.1.222.4.25	M-1976 152-mm gun (2S5)(MSTA-B)
1.1.222.4.26	152-mm 2S19 (aka MSTA-S)
1.1.222.4.27	120-mm Howitzer/mortar (2S9) (SO-120)
1.1.222.4.28	120-mm Howitzer/mortar (2S23)
1.1.222.4.29	300-mm BM-30 14/12-round multiple rocket systems (9A52 Smerch)
1.1.222.4.30	220-mm BM-22 16-round multiple rocket system (M1977 Uragan)
1.1.222.4.31	200-mm 4-round BMD-20 multiple rocket system
1.1.222.4.32	(deleted)
1.1.222.4.33	(deleted)
1.1.222.4.34	(deleted)
1.1.222.4.35	(deleted)
1.1.222.4.36	(deleted)
1.1.222.4.37	(deleted)
1.1.222.4.38	(deleted)

Field Value	Description
1.1.222.4.39	(deleted)
1.1.222.4.40	(deleted)
1.1.222.4.41	(deleted)
1.1.222.4.42	(deleted)
1.1.222.4.43	(deleted)
1.1.222.4.44	(deleted)
1.1.222.4.45	(deleted)
1.1.222.4.46	(deleted)
1.1.222.4.47	(deleted)
1.1.222.4.48	(deleted)
1.1.222.4.49	(deleted)
1.1.222.4.50	(deleted)
1.1.222.4.51	SS-21
1.1.222.4.52	2S31 120-mm Combination Gun
1.1.222.4.53	9A51 Prima, 122-mm MRL, 50 tube
1.1.222.5	Towed artillery
1.1.222.5.1	S-23 180-mm field gun
1.1.222.5.2	2A36 (M1976) 152-mm field gun
1.1.222.5.3	D-20 152-mm gun-Howitzer
1.1.222.5.4	D-30 122-mm gun-Howitzer
1.1.222.5.5	M-46 130-mm field gun
1.1.222.5.6	D-30 field Howitzer
1.1.222.5.7	T-12/MT-12 100-mm antitank gun
1.1.222.5.8	SD-44 gun
1.1.222.5.8.1	SD-44 85-mm auxiliary-propelled field gun
1.1.222.5.9	M-1966 76.2-mm mountain gun
1.1.222.5.10	(deleted)
1.1.222.5.11	M-240 (aka M1953 or M53) 240-mm mortar
1.1.222.5.12	(deleted)
1.1.222.5.13	(deleted)
1.1.222.5.14	2A65 (M1987) 152-mm gun/Howitzer
1.1.222.5.15	(deleted)
1.1.222.5.16	M1943 (D-1) 152-mm Howitzer
1.1.222.5.17	M1937 (ML-20) 152-mm gun/Howitzer
1.1.222.5.18	(deleted)
1.1.222.5.19	D-74 122-mm field gun
1.1.222.5.20	(deleted)
1.1.222.5.21	M1938 (M-30) 122-mm Howitzer
1.1.222.5.22	2B16 120-mm combination gun

Field Value	Description
1.1.222.5.23	M1944 (BS-3) 100-mm field gun
1.1.222.5.24	D-48 85-mm antitank gun
1.1.222.5.25	M-1945 (D-44) 85-mm antitank gun
1.1.222.5.26	(deleted)
1.1.222.5.27	M1942 (ZIS-3) 76-mm divisional gun
1.1.222.5.28	SM-4-1 130-mm coastal gun
1.1.222.5.29	SPG-9 73-mm recoilless gun
1.1.222.5.30	B-10 82-mm recoilless gun
1.1.222.5.31	B-11 107-mm recoilless gun
1.1.222.5.32	(deleted)
1.1.222.5.33	(deleted)
1.1.222.5.34	(deleted)
1.1.222.5.35	(deleted)
1.1.222.5.36	(deleted)
1.1.222.5.37	(deleted)
1.1.222.5.38	125-mm AT Gun 2A45M
1.1.222.5.39	140-mm 16-round RPU-14 multiple rocket system
1.1.222.6	Small wheeled utility vehicle
1.1.222.6.1	GAZ-69 4x4 light vehicle
1.1.222.6.1.1	Command vehicle
1.1.222.6.2	UAZ-469B 4x4 600-kg light vehicle
1.1.222.6.2.1	Mine detecting system, DIM, on UAZ-469
1.1.222.6.3	(deleted)
1.1.222.6.4	LuAZ-967M amphibious battlefield support vehicle
1.1.222.6.5	LuAZ-969 4x4 light vehicle
1.1.222.6.6	GAZ-69A 4x4 light vehicle
1.1.222.6.7	UAZ-452D 4x4 800-kg light vehicle
1.1.222.6.7.1	Ambulance
1.1.222.6.8	Motorcycles
1.1.222.6.8.1	IMZ-8
1.1.222.7	Large wheeled utility vehicle
1.1.222.7.1	PZM-2 regimental trench-digging machine
1.1.222.7.2	(deleted)
1.1.222.7.3	(deleted)
1.1.222.7.4	ZIL-131 6x6 3500-kg truck
1.1.222.7.4.1	Missile fuel truck
1.1.222.7.4.2	Calibration vehicle
1.1.222.7.4.3	Fuel tanker
1.1.222.7.4.4	Compressor Truck

Field Value	Description
1.1.222.7.4.5	Firing Truck
1.1.222.7.4.6	Special Fuel Truck
1.1.222.7.4.7	Autonomous Test Truck
1.1.222.7.4.8	Oxidizer Truck
1.1.222.7.4.9	Transporter Truck
1.1.222.7.5	ZIL-151 6x6 2500-kg truck
1.1.222.7.6	ZIL-157 6x6 2500-kg truck
1.1.222.7.7	(deleted)
1.1.222.7.8	GAZ-66 4x4 2000-kg truck
1.1.222.7.8.1	GAZ-66 Signals van
1.1.222.7.8.2	GAZ-66 Command van
1.1.222.7.8.3	DKV Decon truck
1.1.222.7.8.4	ACRV, 1V110
1.1.222.7.8.5	TDA-M Smoke
1.1.222.7.9	Ural-375 6x6 4000-kg truck
1.1.222.7.9.1	Field artillery support
1.1.222.7.9.2	URAL-375D van
1.1.222.7.9.3	URAL-375D hospital van
1.1.222.7.9.4	1V111 URAL-375-D FDC
1.1.222.7.9.5	URAL-375D maintenance van
1.1.222.7.9.6	URAL-375 tanker truck
1.1.222.7.9.7	MAF-S water purification truck
1.1.222.7.9.8	URAL-375D meteorological van
1.1.222.7.9.9	URAL-375 propellant tanker
1.1.222.7.9.10	URAL-375 oxidizer tanker
1.1.222.7.10	KamAZ-4310
1.1.222.7.11	Ural-4320 6x6 4500-kg trucks
1.1.222.7.12	(deleted)
1.1.222.7.13	KrAZ-255B 6x6 7500-kg truck
1.1.222.7.13.1	Fuel service
1.1.222.7.13.2	Aviation fuel support
1.1.222.7.13.3	KrAZ-255 Computer Van
1.1.222.7.13.4	KrAZ-255 Crane Truck
1.1.222.7.13.5	KrAZ-255 Dump truck
1.1.222.7.14	Ural-375D 6x6 recovery vehicle
1.1.222.7.14.1	Crane/wrecker
1.1.222.7.15	Ural-4320 6x6 recovery vehicle
1.1.222.7.16	KET-L 6x6 recovery truck
1.1.222.7.17	GAZ-53 4x2 3000-kg truck



Field Value	Description
1.1.222.7.18	Ural-377 6x4 7500-kg truck
1.1.222.7.19	ZIL-133 6x4 8000 kg-truck
1.1.222.7.20	YaAZ-214 6x6 7000-kg truck
1.1.222.7.21	KrAZ-214 6x6 7000-kg truck
1.1.222.7.22	KrAZ-206V 6x6 tractor truck
1.1.222.7.23	KamAZ-5320 6x4 8000-kg truck
1.1.222.7.24	KrAZ-260 6x6 9000-kg truck
1.1.222.7.25	KrAZ-240 6x6 9000-kg truck
1.1.222.7.26	Ural-5323 8x8 9000-kg truck
1.1.222.7.27	KrAZ-257 6x4 12000-kg truck
1.1.222.7.28	ZIL-135 series 8x8 truck
1.1.222.7.29	MAZ-543 8x8 truck
1.1.222.7.30	BAZ-5937 6x6 special purpose vehicle
1.1.222.7.31	BAZ-5939 6x6 special purpose vehicle
1.1.222.7.32	MAZ-535 and MAZ-537 8x8 series
1.1.222.7.33	TMK-2 trench-digging machine
1.1.222.7.34	PZM regimental trench-digging machine
1.1.222.7.35	OPS mobile water-desalination plant
1.1.222.7.36	POU mobile water-desalination plant
1.1.222.7.37	LBU-200 mobile well-drilling equipment
1.1.222.8	Small tracked utility vehicle
1.1.222.8.1	AT-L light artillery tractor
1.1.222.8.2	AT-LM light artillery tractor
1.1.222.8.3	ATS-59G medium artillery tractor
1.1.222.8.4	ATS-59 medium artillery tractor
1.1.222.8.5	MT-S medium transporter
1.1.222.8.6	GT-SM amphibious over-snow vehicle
1.1.222.8.7	GT-T amphibious over-snow vehicle
1.1.222.8.8	MT-L amphibious over-snow vehicle
1.1.222.9	Large tracked utility vehicle
1.1.222.9.1	PTS amphibious transport
1.1.222.9.2	PTS-M amphibious vehicle
1.1.222.9.3	PTS-2 amphibious vehicle
1.1.222.9.4	MTK-2 armored mineclearing vehicle
1.1.222.9.5	AT-T heavy artillery tractor
1.1.222.9.6	MT-T heavy transporter
1.1.222.9.7	GM-569 tractor
1.1.222.9.8	BTM high-speed ditching machine
1.1.222.9.9	BTM-3 high-speed ditching machine

Field Value	Description
1.1.222.9.10	BTM-TMG high-speed ditching machine
1.1.222.9.11	BTM-TMG2S high-speed ditching machine
1.1.222.9.12	MDK-2 trench-digging machine
1.1.222.9.13	MDK-2M trench-digging machine
1.1.222.9.14	MDK-3 trench-digging machine
1.1.222.9.15	BAT-1 high-speed tractor-mounted bulldozer
1.1.222.9.16	BAT-M high-speed tractor-mounted bulldozer
1.1.222.9.17	OLT high-speed tractor-mounted bulldozer
1.1.222.9.18	OST high-speed tractor-mounted bulldozer
1.1.222.9.19	OTT high-speed tractor-mounted bulldozer
1.1.222.9.20	(deleted)
1.1.222.9.21	PMR Minelayer
1.1.222.9.22	AT-S Medium Tractor
1.1.222.9.23	K-61 Amphibious
1.1.222.10	Mortar
1.1.222.10.1	(deleted)
1.1.222.10.2	(deleted)
1.1.222.10.3	(deleted)
1.1.222.10.4	(deleted)
1.1.222.10.5	(deleted)
1.1.222.10.6	(deleted)
1.1.222.10.7	M-36 82-mm
1.1.222.10.8	M-37 82-mm
1.1.222.10.9	M-37 82-mm "new"
1.1.222.10.10	M-41 82-mm
1.1.222.10.11	AM 2B9 "Vasilek" 82-mm automatic
1.1.222.10.12	M-38 107-mm
1.1.222.10.13	2S12 120-mm
1.1.222.10.15	120mm Mortar M1943
1.1.222.11	Mine plow
1.1.222.11.1	KMT-5M
1.1.222.12	Mine rake
1.1.222.13	Mine roller
1.1.222.14	Cargo trailer
1.1.222.14.1	0 - 0.5 ton
1.1.222.14.1.1	Trailer, cargo, 1 axle, 0.5 ton, GAZ-704
1.1.222.14.2	0.51 - 2 ton
1.1.222.14.3	2.01 - 5 ton
1.1.222.14.3.1	Trailer, cargo, 2 axle, 4 ton, SMZ-710Z

Field Value	Description
1.1.222.14.3.2	Amphibious trailer PKP
1.1.222.14.4	5.02 - 10 ton
1.1.222.14.5	greater than 10 tons
1.1.222.15	Fuel trailer
1.1.222.15.1	1-1000 gallons
1.1.222.15.1.1	MNUM-50M
1.1.222.15.2	1001 - 5000 gallons
1.1.222.15.2.1	PTs-4.2-754V, 4200 liter trailer
1.1.222.15.3	greater than 5000 gallons
1.1.222.16	Generator trailer
1.1.222.16.1	0 - 100 KW
1.1.222.16.2	greater than 100 KW
1.1.222.17	Water trailer
1.1.222.17.1	1-1000 gallons
1.1.222.17.1.1	Trailer, water, 1200 liter, ACMAT-ALM
1.1.222.17.1.2	Trailer, water, 950 liter, VMG-40-51
1.1.222.17.2	1001- 5000 gallons
1.1.222.17.3	greater than 5000 gallons
1.1.222.18	Engineer equipment
1.1.222.18.1	Mine clearing line charge
1.1.222.18.2	Dozer blade kit
1.1.222.18.3	Lane marking system
1.1.222.19	Heavy equipment transport trailer
1.1.222.19.1	Reload vehicle
1.1.222.19.2	Lowboy, Heavy Equipment, Transporter, ChMZAP-5247C
1.1.222.20	Maintenance equipment trailer
1.1.222.20.1	Welding trailer
1.1.222.20.2	Compressor
1.1.222.20.3	Tools/parts trailer
1.1.222.20.3.1	Trailer, van, missile, OdAZ-740
1.1.222.21	Limber
1.1.222.22	Chemical decontamination trailer
1.1.222.23	(deleted)
1.1.222.24	(deleted)
1.1.222.25	Train-Car
1.1.222.25.1	Boxcar
1.1.222.25.2	Tanker
1.1.222.25.3	Passenger
1.1.222.26	Train-Caboose

Field Value	Description
1.1.222.27	Civilian Vehicle
1.1.222.27.1	Sedan
1.1.222.28	Air Defense / Missile Defense Unit Equipment
1.1.222.28.1	SA-2 Guideline SAM System
1.1.222.28.1.1	SA-2 Battery C3 Van
1.1.222.28.1.2	SA-2 Missile Launcher
1.1.222.28.1.3	Fan Song Engagement Radar
1.1.222.28.1.3.1	Fan Song B
1.1.222.28.1.3.2	Fan Song C/E
1.1.222.28.1.3.3	Fan Song F
1.1.222.28.2	SA-3 Goa SAM System
1.1.222.28.2.1	SA-3 Battery C3 Van
1.1.222.28.2.2	SA-3 Missile Launcher
1.1.222.28.2.2.1	Twin-Rail Launcher
1.1.222.28.2.2.2	Quad-Rail Launcher
1.1.222.28.2.3	Low Blow Engagement Radar
1.1.222.28.3	SA-5 Gammon SAM System
1.1.222.28.3.1	SA-5 Battalion C3 Van
1.1.222.28.3.2	SA-5 Missile Launcher
1.1.222.28.3.3	Square Pair Engagement Radar
1.1.222.28.4	SA-10 Grumble SAM System
1.1.222.28.4.1	SA-10 Battery C3 Vehicle
1.1.222.28.4.2	SA-10 Missile Launcher
1.1.222.28.4.2.1	SA-10A Towed TEL (5P85T)
1.1.222.28.4.2.2	SA-10B SP TEL (5P85S)
1.1.222.28.4.3	Flap Lid Engagement Radar (36N6E)
1.1.222.28.4.3.1	Flap Lid A Radar (tower mounted)
1.1.222.28.4.3.2	Flap Lid B (SP vehicle)
1.1.222.28.4.3.3	Tomb Stone Radar (SA-10C)
1.1.222.28.4.4	Clam Shell Acquisition Radar
1.1.222.28.4.5	SA-10 Missile Transport/Reload Vehicle
1.1.222.28.5	SA-4 Ganef SAM System
1.1.222.28.5.1	SA-4 Battery C3 Vehicle
1.1.222.28.5.2	SA-4 TEL (2P24)
1.1.222.28.5.3	Pat Hand Engagement Radar (1S32M)
1.1.222.28.5.4	SA-4 Missile Transporter/Loader Vehicle (2T6)
1.1.222.28.6	SA-6 Gainful SAM System
1.1.222.28.6.1	SA-6 Battery C3 Vehicle
1.1.222.28.6.2	SA-6 TEL

Field Value	Description
1.1.222.28.6.2.1	SA-6A TEL (2P25)
1.1.222.28.6.2.2	SA-6B TEL (9A310M1 w/Fire Dome Radar)
1.1.222.28.6.3	Straight Flush Engagement Radar
1.1.222.28.6.4	SA-6 Missile Transporter/Loader Vehicle
1.1.222.28.7	SA-8 Gecko SAM System
1.1.222.28.7.1	SA-8 Battery C3 Vehicle
1.1.222.28.7.2	SA-8 TLAR
1.1.222.28.7.2.1	SA-8A TLAR
1.1.222.28.7.2.2	SA-8B TLAR
1.1.222.28.7.3	SA-8 Transloader Vehicle
1.1.222.28.8	SA-11 Gadfly SAM System
1.1.222.28.8.1	SA-11 Battery C3 Vehicle (9S470M1)
1.1.222.28.8.2	SA-11 TELAR (9A310M1)
1.1.222.28.8.3	SA-11 Loader/Launcher (9A39M1)
1.1.222.28.8.4	TUBE ARM Radar
1.1.222.28.9	SA-12 Gladiator/Giant SAM System (S-300V)
1.1.222.28.9.1	Battalion
1.1.222.28.9.1.1	Battalion Command Post Vehicle (9S457-1)
1.1.222.28.9.1.2	Bill Board Acquisition Radar (9S15MT)
1.1.222.28.9.1.3	High Screen Sector Search Radar (9S19MT)
1.1.222.28.9.2	Battery
1.1.222.28.9.2.1	Grill Pan Engagement Radar (9S32)
1.1.222.28.9.2.2	SA-12A Gladiator TELAR (9A83-1)
1.1.222.28.9.2.3	SA-12B Giant TELAR (9A82)
1.1.222.28.9.2.4	Gladiator Missile Loader/Launcher (9A85)
1.1.222.28.9.2.5	Giant Missile Loader/Launcher (9A84)
1.1.222.28.9.2.6	SA-12B (rail w/SS-24)
1.1.222.28.10	SA-15 Gauntlet SAM System
1.1.222.28.10.1	SA-15 Battery C3 Vehicle
1.1.222.28.10.2	SA-15 TELAR
1.1.222.28.10.3	8-Round Missile Reload Vehicle (9T224)
1.1.222.28.10.4	28-Round Missile Reload Transporter (9T225)
1.1.222.28.11	SA-17 Grizzly SAM System
1.1.222.28.11.1	SA-17 Command Post Vehicle
1.1.222.28.11.2	Chair Back Engagement Radar
1.1.222.28.11.2.1	Tracked (SP) Chair Back Vehicle
1.1.222.28.11.2.2	Wheeled (towed) Chair Back Trailer
1.1.222.28.11.3	SA-17 TELAR
1.1.222.28.11.4	SA-17 Launcher/Loader Vehicle (TEL)

Field Value	Description
1.1.222.28.11.4.1	Tracked (SP) LL
1.1.222.28.11.4.2	Wheeled (towed) LL
1.1.222.28.12	Self-Propelled VSHORAD Gun/Missile System
1.1.222.28.12.1	ZSU-23/4 Quad 23mm AAA
1.1.222.28.12.2	SA-9 Gaskin SAM System
1.1.222.28.12.2.1	SA-9A TEL (w/Flat Box-A)
1.1.222.28.12.2.2	SA-9B TEL (w/o Flat Box-A)
1.1.222.28.12.3	SA-13 Gopher SAM System
1.1.222.28.12.3.1	SA-13 TELAR w/Flat Box B
1.1.222.28.12.3.2	SA-13 TELAR w/o Flat Box
1.1.222.28.12.4	2S6 "Tunguska" Quad 30mm/SA-19 AD System
1.1.222.28.12.5	ZSU-57/2 twin-57mm AA Gun System
1.1.222.28.12.6	BTR-40A w/ZPTU-2 twin-14.5mm AA mount
1.1.222.28.12.7	BTR-152A w/ZPTU-2 twin-14.5mm AA mount
1.1.222.28.12.8	BTR-152D w/ZPU-2 twin-14.5mm AA mount
1.1.222.28.12.9	BTR-152 w/ZU-23 twin-23mm AA mount
1.1.222.28.12.10	BTR-152 w/M53 quad-12.7mm MG mount
1.1.222.28.13	Towed VSHORAD Gun/Missile System
1.1.222.28.13.1	KS-30 130mm AA Gun
1.1.222.28.13.2	KS-19 100mm AA Gun
1.1.222.28.13.3	KS-12 85mm AA Gun
1.1.222.28.13.4	S-60 57mm AA Gun
1.1.222.28.13.5	M1939 37mm AA Gun
1.1.222.28.13.6	ZU-23 twin 23mm AA Gun
1.1.222.28.13.7	14.5mm ZPU AA MG
1.1.222.28.13.7.1	ZPU-1
1.1.222.28.13.7.2	ZPU-2
1.1.222.28.13.7.3	ZPU-4
1.1.222.28.14	SSC-3 Styx A/B/C/ variant launcher
1.1.222.28.15	SS-N-3B/C Shaddock/Sepal launcher
1.1.222.28.16	SS-N-22 Sunburn launcher
1.1.222.28.17	SSC-X-5 (SS-NX-26) launcher
1.1.222.28.18	SSC-6 (SS-N-25) launcher
1.1.222.28.19	P-270 Moskit (Kh-41) launcher
1.1.222.28.20	M51 launcher
1.1.222.28.21	SA-20 Gargoyle SAM System
1.1.222.28.21.1	SA-20 Group of Battalions CP Vehicle (54K6)
1.1.222.28.21.2	SA-20 Missile Launcher (5P85)
1.1.222.28.21.3	SA-20 Tomb Stone Engagement Radar/Battalion CP (30N6E1)

Field Value	Description
1.1.222.28.21.4	SA-20 Missile Transport/Reload Vehicle (22T6)
1.1.222.28.21.5	SA-20 Big Bird Acquisition Radar (64N6)
1.1.222.29	Command, Control, Communications and Intelligence (C3I) System
1.1.222.30	Operations Facility
1.1.222.31	Intelligence Facility
1.1.222.32	Surveillance Facility
1.1.222.33	Communications Facility
1.1.222.34	Command Facility
1.1.222.35	C4I Facility
1.1.222.36	Control Facility
1.1.222.37	Fire Control Facility
1.1.222.38	Missile Defense Facility
1.1.222.39	Field Command Post
1.1.222.40	Observation Post
1.1.222.41	General Wheeled Vehicles
1.1.222.41.1	Small truck
1.1.222.41.2	Medium truck
1.1.222.41.3	Large truck
1.1.222.41.4	TEL crane truck
1.1.222.41.5	Missile fuel truck
1.1.222.41.6	Tractor trailer truck
1.1.222.41.7	Missile command truck
1.1.222.41.8	Missile warhead truck
1.1.222.41.9	Artillery command and reconnaissance vehicle

## 4.2.3.2.2. Air

Field Value	Description
1.2.222	
1.2.222.1	Fighter/Air Defense
1.2.222.1.1	MiG-31 Foxhound
1.2.222.1.1.1	MiG-31 Foxhound-A
1.2.222.1.1.2	MiG-31M Foxhound-B
1.2.222.1.2	MiG-29 Fulcrum
1.2.222.1.2.1	MiG-29 Fulcrum A
1.2.222.1.2.2	MiG-29UB Fulcrum B
1.2.222.1.2.3	MiG-29 Fulcrum C
1.2.222.1.2.4	MiG-29K Fulcrum D
1.2.222.1.2.5	MiG-29M advanced version

Field Value	Description
1.2.222.1.2.6	MiG-29 thrust vectoring
1.2.222.1.2.7	MiG-29KU ship-based trainer
1.2.222.1.3	Su-27 Flanker
1.2.222.1.3.1	Su-27 Flanker A prototypes
1.2.222.1.3.2	Su-27 Flanker B production
1.2.222.1.3.3	Su-27UB Flanker C
1.2.222.1.3.4	Su-27K Flanker D
1.2.222.1.3.5	Su-27IB
1.2.222.1.4	MiG-25 Foxbat
1.2.222.1.4.1	MiG-25P Foxbat A
1.2.222.1.4.2	MiG-25RB Foxbat B
1.2.222.1.4.3	MiG-25RBV Foxbat B
1.2.222.1.4.4	MiG-25BBT Foxbat B
1.2.222.1.4.5	MiG-25R Foxbat B
1.2.222.1.4.6	MiG-25PU Foxbat C
1.2.222.1.4.7	MiG-25RU Foxbat C
1.2.222.1.4.8	MiG-25U Foxbat C
1.2.222.1.4.9	MiG-25RBK Foxbat D
1.2.222.1.4.10	MiG-25RBS Foxbat D
1.2.222.1.4.11	MiG-25RBSh Foxbat D
1.2.222.1.4.12	MiG-25RBF Foxbat D
1.2.222.1.4.13	MiG-25PD Foxbat E
1.2.222.1.4.14	MiG-25PDS Foxbat E
1.2.222.1.4.15	MiG-25BM Foxbat F
1.2.222.1.5	MiG-23/24 Flogger
1.2.222.1.5.1	MiG-23M Flogger B
1.2.222.1.5.2	MiG-23MF Flogger B
1.2.222.1.5.3	MiG-23UB Flogger C
1.2.222.1.5.4	MiG-23UM Flogger C
1.2.222.1.5.5	MiG-23MF Flogger E
1.2.222.1.5.6	MiG-23MS Flogger E
1.2.222.1.5.7	MiG-23BN Flogger F
1.2.222.1.5.8	MiG-23BM Flogger F
1.2.222.1.5.9	MiG-23B Flogger F
1.2.222.1.5.10	MiG-23ML Flogger G
1.2.222.1.5.11	MiG-23P Flogger G
1.2.222.1.5.12	MiG-23BK Flogger H
1.2.222.1.5.13	MiG-23BN Flogger H
1.2.222.1.5.14	MiG-23MLD Flogger K



Field Value	Description
1.2.222.1.5.15	MiG-24 (export MiG-23)
1.2.222.1.6	MiG-21 Fishbed/Mongol
1.2.222.1.6.1	MiG-21F Fishbed C
1.2.222.1.6.2	MiG-21PF Fishbed D
1.2.222.1.6.3	MiG-21PFM Fishbed F
1.2.222.1.6.4	MiG-21R Fishbed H
1.2.222.1.6.5	MiG-21S Fishbed H
1.2.222.1.6.6	MiG-21RF Fishbed H
1.2.222.1.6.7	MiG-21SM Fishbed J
1.2.222.1.6.8	MiG-21M (Type 96/Hindustan Aeronautics-India)
1.2.222.1.6.9	MiG-21PFMA Fishbed J
1.2.222.1.6.10	MiG-21MF Fishbed J
1.2.222.1.6.11	MiG-21SMT Fishbed K
1.2.222.1.6.12	MiG-21SMB Fishbed K
1.2.222.1.6.13	MiG-21bis-A Fishbed L
1.2.222.1.6.14	MiG-21bis-B Fishbed N
1.2.222.1.6.15	MiG-21U Mongol A
1.2.222.1.6.16	MiG-21US Mongol B
1.2.222.1.6.17	MiG-21UM Mongol B
1.2.222.1.7	(deleted)
1.2.222.1.8	(deleted)
1.2.222.1.9	(deleted)
1.2.222.1.10	(deleted)
1.2.222.1.11	(deleted)
1.2.222.1.12	(deleted)
1.2.222.1.13	(deleted)
1.2.222.1.14	MiG-19 Farmer
1.2.222.1.15	MiG-17 Fresco
1.2.222.1.16	MiG15 Fagot
1.2.222.2	Attack/Strike
1.2.222.2.1	MiG-27 Flogger
1.2.222.2.1.1	MiG-27 Flogger D
1.2.222.2.1.2	MiG-27K Flogger D
1.2.222.2.1.3	MiG-27D Flogger J
1.2.222.2.1.4	MiG-27M (Bahadur-India)
1.2.222.2.2	(deleted)
1.2.222.2.3	(deleted)
1.2.222.2.4	Su-17 Fitter
1.2.222.2.4.1	Su-17 (S-32, Fitter C)

Field Value	Description
1.2.222.2.4.2	Su-17M (S-32M, Fitter C)
1.2.222.2.4.3	Su-17R Fitter C
1.2.222.2.4.4	Su-17M-2/M-2D (S-32M2, Fitter D)
1.2.222.2.4.5	Su-17UM-2D (U-32, Fitter E)
1.2.222.2.4.6	Su-17UM-3 Fitter G
1.2.222.2.4.7	Su-17M-3 (S-52, Fitter H)
1.2.222.2.4.8	Su-17-1/M-2 Fitter H
1.2.222.2.4.9	Su-17M-4 (S-54, Fitter K)
1.2.222.2.5	Su-20 Fitter C (Export Su-17)
1.2.222.2.5.1	Su-20 (S32Mk, Fitter-C)
1.2.222.2.5.2	Su-20R
1.2.222.2.6	Su-22 Fitter
1.2.222.2.6.1	Su-22U Fitter E
1.2.222.2.6.2	Su-22 Fitter F
1.2.222.2.6.3	Su-22UM-3K Fitter G
1.2.222.2.6.4	Su-22 Fitter G
1.2.222.2.6.5	Su-22M-3 Fitter J
1.2.222.2.6.6	Su-22M-4 Fitter K
1.2.222.2.7	Su-24 Fencer
1.2.222.2.7.1	Su-24 Fencer B
1.2.222.2.7.2	Su-24 Fencer C
1.2.222.2.7.3	Su-24MK Fencer D
1.2.222.2.7.4	Su-24MR Fencer E
1.2.222.2.7.5	Su-24MP Fencer F
1.2.222.2.7.6	Su-24K Fencer K
1.2.222.2.8	Su-25 Frogfoot
1.2.222.2.8.1	Su-25 Frogfoot A
1.2.222.2.8.2	Su-25UB Frogfoot B
1.2.222.2.8.3	Su-25K (export "A")
1.2.222.2.8.4	Su-25UBK (export "UB")
1.2.222.2.8.5	Su-25UT Frogfoot B
1.2.222.2.8.6	Su-25UTG (tailhook)
1.2.222.2.8.7	Su-25T (Su-34) (antitank)
1.2.222.2.8.8	Su-25BM (target towing)
1.2.222.2.9	Su-37 multirole fighter
1.2.222.2.10	Yak-38 Forger
1.2.222.2.10.1	Yak-38 Forger A
1.2.222.2.10.2	Yak-38 Forger B
1.2.222.2.11	Su-35

Field Value	Description
1.2.222.2.12	Su-7 Fitter A
1.2.222.3	Bomber
1.2.222.3.1	Tu-160 Blackjack
1.2.222.3.2	Tu-16 Badger
1.2.222.3.2.1	Tu-16A Badger A
1.2.222.3.2.2	Tu-16N Badger A, tanker
1.2.222.3.2.3	Tu-16T Badger A, torpedo
1.2.222.3.2.4	Tu-16KS-1 Badger B
1.2.222.3.2.5	Tu-16 Korvet, Search and Rescue (SAR)
1.2.222.3.2.6	Tu-16 K-10 Badger C
1.2.222.3.2.7	Tu-16R Badger D
1.2.222.3.2.8	Tu-16 Badger E, photo reconnaissance
1.2.222.3.2.9	Tu-16R Badger F, ELINT
1.2.222.3.2.10	Tu-16 Badger-G, ASM carrier
1.2.222.3.2.11	Tu-16K Badger G Mod
1.2.222.3.2.12	Tu-16PP Badger H, chaff dispenser
1.2.222.3.2.13	Tu-16PP Badger J, ECM
1.2.222.3.2.14	Tu-16R Badger K, reconnaissance
1.2.222.3.2.15	Tu-16 Badger L, EW
1.2.222.3.3	Tu-26 (Tu-22M) Backfire
1.2.222.3.3.1	Tu-22M-1 Backfire A
1.2.222.3.3.2	Tu-22M-2 Backfire B
1.2.222.3.3.3	Tu-22M-3 Backfire C
1.2.222.3.4	Tu-22 Blinder
1.2.222.3.4.1	Tu-22 Blinder-A
1.2.222.3.4.2	Tu-22 Blinder-B
1.2.222.3.4.3	Tu-22 Blinder-C, reconnaissance
1.2.222.3.4.4	Tu-22U Blinder-D
1.2.222.3.4.5	Tu-22 Blinder-E, EW/reconnaissance
1.2.222.3.5	Tu-95 or Tu-142 Bear
1.2.222.3.5.1	Tu-95 Bear D, sea reconnaissance
1.2.222.3.5.2	Tu-95 Bear E ("A" conversion)
1.2.222.3.5.3	Tu-95 Bear G ("B/C" ELINT conversion)
1.2.222.3.5.4	Tu-95MS Bear H
1.2.222.3.5.5	Tu-142 Bear F, ASW
1.2.222.3.5.6	Tu-142 Bear F Mod 1
1.2.222.3.5.7	Tu-142M Bear F Mod 2
1.2.222.3.5.8	Tu-142 Bear F Mod 3
1.2.222.3.5.9	Tu-142 Bear F Mod 4

Field Value	Description
1.2.222.3.5.10	Tu-142 Bear J, VLF Communications
1.2.222.3.5.11	Tu-142K Bear H
1.2.222.3.6	Il-28 Beagle
1.2.222.4	Cargo/Tanker
1.2.222.4.1	An-124 Condor
1.2.222.4.1.1	An-124
1.2.222.4.2	An-22 Cock
1.2.222.4.2.1	An-22
1.2.222.4.3	Il-76 Candid
1.2.222.4.3.1	Il-76 Candid A
1.2.222.4.3.2	Il-76T Candid A, civil reserve
1.2.222.4.3.3	Il-76M Candid B
1.2.222.4.3.4	Il-76TD Candid A, civil reserve
1.2.222.4.3.5	Il-76MD Candid B
1.2.222.4.4	Il-20/22 Coot
1.2.222.4.4.1	Il-20 Coot A, ELINT/recon (Il-18 variant)
1.2.222.4.4.2	Il-22 Coot B
1.2.222.4.5	An-12 Cub
1.2.222.4.5.1	An-12BP
1.2.222.4.5.2	An-12A Cub A, ELINT
1.2.222.4.5.3	An-12B Cub B, SNA ELINT
1.2.222.4.5.4	An-12C Cub C, SNA ECM
1.2.222.4.5.5	An-12D Cub D, SNA ECM
1.2.222.4.6	An-24 Coke
1.2.222.4.6.1	An-24
1.2.222.4.7	An-26 Curl
1.2.222.4.7.1	An-26 Curl A, manual
1.2.222.4.7.2	An-26B Curl A, pallets
1.2.222.4.7.3	An-26 Curl B, SIGINT
1.2.222.4.8	An-32 Cline
1.2.222.4.8.1	An-32
1.2.222.4.8.2	An-32 Sutlej (India)
1.2.222.4.9	An-70T
1.2.222.4.9.1	An-70T
1.2.222.4.10	An-72 Coaler
1.2.222.4.10.1	An-72
1.2.222.4.11	An-225 Cossack
1.2.222.4.11.1	An-225
1.2.222.4.12	Il-78 Midas

Field Value	Description
1.2.222.4.12.1	Il-78 (tanker)
1.2.222.4.13	An-2/3 Colt
1.2.222.4.13.1	An-2 Colt
1.2.222.4.13.2	An-3 Colt
1.2.222.5	Antisubmarine/patrol/observation
1.2.222.5.1	Il-38 May
1.2.222.5.1.1	Il-38
1.2.222.5.2	Be-12 Mail
1.2.222.5.2.1	Be-12
1.2.222.5.3	Be-42 Mermaid
1.2.222.5.3.1	Be-42
1.2.222.5.4	(deleted)
1.2.222.5.5	A-40 Albatross
1.2.222.5.5.1	A-40
1.2.222.8	Surveillance/C2
1.2.222.8.1	A-50 Mainstay
1.2.222.8.1.1	A-50 AEW&C
1.2.222.8.2	An-74 Madcap
1.2.222.8.2.1	An-74
1.2.222.8.3	TU-126 Moss
1.2.222.8.3.1	Tu-126
1.2.222.20	Attack helicopter
1.2.222.20.1	Mi-28 Havoc
1.2.222.20.1.1	Mi-28
1.2.222.20.2	Mi-24/25/35 Hind
1.2.222.20.2.1	Mi-24 Hind A
1.2.222.20.2.2	Mi-24 Hind B
1.2.222.20.2.3	Mi-24 Hind C
1.2.222.20.2.4	Mi-24D Hind D (1st gunship)
1.2.222.20.2.5	Mi-24W Hind E
1.2.222.20.2.6	Mi-24P Hind F
1.2.222.20.2.7	Mi-24RSH Hind G1 (NBC armored)
1.2.222.20.2.8	Mi-24RSH Hind G2 (reconnaissance/spotter)
1.2.222.20.2.9	Mi-25 (export Mi-24D)
1.2.222.20.2.10	Mi-35 (export Mi-24W)
1.2.222.20.2.11	Mi-35P (export Mi-24P)
1.2.222.20.3	Ka-50 Hokum
1.2.222.20.3.1	Ka-50 Hokum A close air support
1.2.222.20.3.2	Ka-50 Hokum B tandem trainer

Field Value	Description
1.2.222.20.4	Ka-25 Hormone
1.2.222.20.4.1	Ka-25BSh Hormone A, ASW
1.2.222.20.4.2	Ka-25 Hormone B (targeting & missile guidance)
1.2.222.20.4.3	Ka-25PS Hormone C (targeting & missile guidance)
1.2.222.20.4.4	Ka-25PL Hormone A
1.2.222.20.4.5	Ka-25TS Hormone B
1.2.222.21	Utility helicopter
1.2.222.21.1	Mi-8/9/17/171 Hip
1.2.222.21.1.1	Mi-8 Hip C (assault)
1.2.222.21.1.2	Mi-8 Hip D (airborne communications)
1.2.222.21.1.3	Mi-8 Hip E "C" development, 12.7
1.2.222.21.1.4	Mi-8TBK (Mi-17) ("E" uprated)
1.2.222.21.1.5	Mi-8 Hip F ("E" export)
1.2.222.21.1.6	Mi-8 Hip J (ECM)
1.2.222.21.1.7	Mi-8PP Hip K (ECM)
1.2.222.21.1.8	Mi-9 Hip G (special duty & airborne communications)
1.2.222.21.1.9	Mi-17 Hip H (MI-8 update)
1.2.222.21.1.10	Mi-17P (Hip K derivative)
1.2.222.21.1.11	Mi-171 Hip H (hospital)
1.2.222.21.1.12	Mi-17 (EW)
1.2.222.21.2	Mi-14 Haze
1.2.222.21.2.1	Mi-14PL Haze A (ASW)
1.2.222.21.2.2	Mi-14PW (Polish Mi-14PL)
1.2.222.21.2.3	Mi-14BT Haze B (MCM)
1.2.222.21.2.4	Mi-14PS Haze C (SAR)
1.2.222.21.3	Mi-26 Halo
1.2.222.21.3.1	Mi-26 heavy transport
1.2.222.21.3.2	Mi-26TZ tanker
1.2.222.21.3.3	Mi-26 communications & support
1.2.222.21.4	Mi-6 Hook
1.2.222.21.4.1	Mi-6 Hook A (export)
1.2.222.21.4.2	Mi-6 Hook B (command support)
1.2.222.21.4.3	Mi-6 Hook C ("B" development, command support)
1.2.222.21.5	Mi-2 Hoplite
1.2.222.21.5.1	Mi-2 (only mfg in Poland)
1.2.222.21.6	Mi-4 Hound
1.2.222.21.6.1	Mi-4
1.2.222.21.7	Mi-10 Harke
1.2.222.21.7.1	Mi-10

Field Value	Description
1.2.222.21.7.2	Mi-10K
1.2.222.21.8	(deleted)
1.2.222.21.9	Ka-27/28/29 Helix
1.2.222.21.9.1	Ka-27PL Helix A (ASW)
1.2.222.21.9.2	Ka-27PS Helix D (SAR)
1.2.222.21.9.3	Ka-28 Helix A (export Ka-27PL)
1.2.222.21.9.4	Ka-29TB Helix B (EW & assault)
1.2.222.21.10	Mi-34 Hermit
1.2.222.21.10.1	Mi-34 (1 engine)
1.2.222.21.10.2	Mi-34V (2 engine)
1.2.222.21.11	Mi-38
1.2.222.21.11.1	Mi-38 (2 turbine, replaces Mi-8/17)
1.2.222.21.12	Ka-26/126 Hoodlum
1.2.222.21.12.1	Ka-26 Hoodlum A (reciprocating)
1.2.222.21.12.2	Ka-126 Hoodlum B (turbine)
1.2.222.40	Trainer
1.2.222.40.1	Tu-134 Crusty
1.2.222.40.1.1	Tu-134UBL (bomber pilot)
1.2.222.40.1.2	Tu-134Bsh (bomber navigator)
1.2.222.40.2	Yak-18 Max
1.2.222.57	Non-Combatant Commercial Aircraft
1.2.222.57.1	(deleted)
1.2.222.57.2	Passenger Airliner
1.2.222.57.2.1	Tupolev TU-154 Careless
1.2.222.57.2.1.1	Tupolev TU-154M Careless
1.2.222.57.2.2	Illyushin IL-62 Classic
1.2.222.57.2.3	Yakovlev Yak-42 Clobber
1.2.222.57.2.4	Illyushin IL-86 Camber

#### 4.2.3.2.3. Surface

Field Value	Description
1.3.222	
1.3.222.1	Carrier
1.3.222.1.1	(deleted)
1.3.222.1.2	(deleted)
1.3.222.1.3	Kuznetsov class (CV)
1.3.222.1.3.1	Admiral Kuznetsov (ex-Tbilisi, ex-Leonid Brezhnev)
1.3.222.1.3.2	Varyag (ex-Riga)

Field Value	Description
1.3.222.1.4	Modified Kiev class (CV)
1.3.222.1.4.1	Admiral Gorshkov (ex-Baku)
1.3.222.3	Guided-missile Cruiser
1.3.222.3.1	Slava class (CG)
1.3.222.3.1.1	Slava
1.3.222.3.1.2	Marshal Ustinov
1.3.222.3.1.3	Chervona Ukraina
1.3.222.3.1.4	Vilna Ukraina
1.3.222.3.2	Kirov class
1.3.222.3.2.1	Admiral Ushakov
1.3.222.3.2.2	Admiral Lazarev
1.3.222.3.2.3	Admiral Nakimov
1.3.222.3.2.4	Peter Velikiy
1.3.222.3.3	Kara class
1.3.222.3.3.1	(deleted)
1.3.222.3.3.2	Ochakov
1.3.222.3.3.3	Kerch
1.3.222.3.3.4	Azov
1.3.222.3.3.5	Petropavlovsk
1.3.222.3.3.6	(deleted)
1.3.222.3.3.7	Vladivostok (ex-Tallinn)
1.3.222.3.4	(deleted)
1.3.222.3.5	Kresta I class
1.3.222.3.5.1	Admiral Zozulya
1.3.222.3.6	Kynda class
1.3.222.3.6.1	Grozny
1.3.222.3.6.2	Admiral Fokin
1.3.222.3.6.3	Admiral Golovko
1.3.222.4	Guided-missile Destroyer
1.3.222.4.1	Udaloy class
1.3.222.4.1.1	Udaloy
1.3.222.4.1.2	Vitse Admiral Kulakov
1.3.222.4.1.3	Marshal Vasilevsky
1.3.222.4.1.4	(deleted)
1.3.222.4.1.5	Admiral Spiridonov
1.3.222.4.1.6	(deleted)
1.3.222.4.1.7	Marshal Shaposhnikov
1.3.222.4.1.8	Simferopol (ex-Marshal Buokenny)
1.3.222.4.1.9	Admiral Levchenko



Field Value	Description
1.3.222.4.1.10	Admiral Vinogradov
1.3.222.4.1.11	Admiral Kharlamov
1.3.222.4.1.12	Admiral Panteleyev
1.3.222.4.2	Sovremennyy class
1.3.222.4.2.1	Sovremennyy
1.3.222.4.2.2	Otchayannyy
1.3.222.4.2.3	Otlichnny
1.3.222.4.2.4	Osmotritelny
1.3.222.4.2.5	Bezuprechny
1.3.222.4.2.6	Boyevoy
1.3.222.4.2.7	Stoyky
1.3.222.4.2.8	Okrylenny
1.3.222.4.2.9	Burny
1.3.222.4.2.10	Gremyashchy
1.3.222.4.2.11	Bystry
1.3.222.4.2.12	Rastoropny
1.3.222.4.2.13	Bezboyaznenny
1.3.222.4.2.14	Bezuderzhny
1.3.222.4.2.15	Bespokoiny
1.3.222.4.2.16	Nastoichivyy
1.3.222.4.2.17	Besstrashnyy
1.3.222.4.2.18	Vazhnyy
1.3.222.4.2.19	Udumchivyy
1.3.222.4.2.20	136 Hangzhou (China) (ex-Vazhny)
1.3.222.4.2.21	137 Fuzhou (China) (ex-Alexandr Nevsky)
1.3.222.4.3	Modified Kashin class
1.3.222.4.3.1	(deleted)
1.3.222.4.3.2	(deleted)
1.3.222.4.3.3	Sderzhandoyy
1.3.222.4.4	Kashin class
1.3.222.4.4.1	(deleted)
1.3.222.4.4.2	Krasnyy Kavkaz
1.3.222.4.4.3	Krasnyy Krym
1.3.222.4.4.4	(deleted)
1.3.222.4.4.5	(deleted)
1.3.222.4.4.6	(deleted)
1.3.222.4.4.7	(deleted)
1.3.222.4.4.8	Skoryy
1.3.222.4.4.9	Smetlivyy

Field Value	Description
1.3.222.4.5	Udaloy II
1.3.222.4.5.1	Admiral Chabenenko
1.3.222.4.6	(deleted)
1.3.222.4.7	(deleted)
1.3.222.4.8	SAM Kotlin class
1.3.222.4.8.1	Bravyy
1.3.222.4.8.2	Nakhodchivyy
1.3.222.4.8.3	Nastochivyy
1.3.222.4.8.4	Hesokrushimyy
1.3.222.4.8.5	Skromnyy
1.3.222.4.8.6	Skrytnyy
1.3.222.4.8.7	Soznatel'nyy
1.3.222.4.8.8	Vozbuzhdenyy
1.3.222.6	Guided-missile Frigate (includes Corvette)
1.3.222.6.1	Krivak I class
1.3.222.6.1.1	Bditelny
1.3.222.6.1.2	Bezukoriznenny
1.3.222.6.1.3	Bezzavetny
1.3.222.6.1.4	Bodry
1.3.222.6.1.5	Deyatelny
1.3.222.6.1.6	Doblestny
1.3.222.6.1.7	Dostoiny
1.3.222.6.1.8	Druzhny
1.3.222.6.1.9	Ladny
1.3.222.6.1.10	Legky
1.3.222.6.1.11	(deleted)
1.3.222.6.1.12	Letuchy
1.3.222.6.1.13	(deleted)
1.3.222.6.1.14	Razumny
1.3.222.6.1.15	Razyashchiy
1.3.222.6.1.16	Retivy
1.3.222.6.1.17	Silnyy
1.3.222.6.1.18	Storozhevoy
1.3.222.6.1.19	Svirepyy
1.3.222.6.1.20	Zadorny
1.3.222.6.1.21	Zharky
1.3.222.6.1.22	Pylky
1.3.222.6.1.23	Poryvisty
1.3.222.6.2	Krivak II class

Field Value	Description
1.3.222.6.2.1	(deleted)
1.3.222.6.2.2	(deleted)
1.3.222.6.2.3	(deleted)
1.3.222.6.2.4	(deleted)
1.3.222.6.2.5	Neukrotimy
1.3.222.6.2.6	Pitlivy
1.3.222.6.2.7	(deleted)
1.3.222.6.2.8	(deleted)
1.3.222.6.2.9	(deleted)
1.3.222.6.2.10	(deleted)
1.3.222.6.2.11	(deleted)
1.3.222.6.3	(deleted)
1.3.222.6.4	Neustrashimy class (FFG)
1.3.222.6.4.1	Neustrashimy
1.3.222.6.4.2	Nepristupnyy
1.3.222.6.5	Tarantul I class (Corvette)
1.3.222.6.6	Tarantul II class (Corvette)
1.3.222.6.7	Nanuchka I class (Corvette)
1.3.222.6.7.1	Grad
1.3.222.6.7.2	Raduga
1.3.222.6.7.3	Suval
1.3.222.6.7.4	Storm
1.3.222.6.7.5	Taifun
1.3.222.6.7.6	Zyklon
1.3.222.6.7.7	Metl
1.3.222.6.7.8	Zarnitsa
1.3.222.6.7.9	Grom
1.3.222.6.7.10	Molnija
1.3.222.6.7.11	Musson
1.3.222.6.7.12	Vichr
1.3.222.6.7.13	Bora
1.3.222.6.7.14	Briz
1.3.222.6.8	Nanuchka III class (Corvette)
1.3.222.6.8.1	Mirazh-617
1.3.222.6.8.2	Zyb-560
1.3.222.6.8.3	(deleted)
1.3.222.6.8.4	Priliv Burun-562
1.3.222.6.8.5	Burun-566
1.3.222.6.8.6	Liven-551

Field Value	Description
1.3.222.6.8.7	Passat-570
1.3.222.6.8.8	Moroz-409
1.3.222.6.8.9	Smerch-423
1.3.222.6.8.10	Inej-432
1.3.222.6.8.11	Rasssvet-520
1.3.222.6.8.12	Razliv-450
1.3.222.6.8.13	Veter
1.3.222.6.9	Nanuchka IV class (Corvette)
1.3.222.6.10	Tarantul III class (Corvette)
1.3.222.6.11	Gepard Class
1.3.222.6.11.1	Gepard
1.3.222.6.12	Nanuchka II class (Corvette)
1.3.222.7	Light/Patrol craft
1.3.222.7.1	2/3 T 58 PGF/PGR class (patrol)
1.3.222.7.2	Dergach class (light missile force)
1.3.222.7.2.1	Sivuch
1.3.222.7.3	OSA I class
1.3.222.7.4	OSA II class
1.3.222.7.5	Poti class (fast attack craft--patrol)
1.3.222.7.6	Svetlyak class (fast attack craft--patrol)
1.3.222.7.7	Pauk I class (fast attack craft--patrol)
1.3.222.7.8	Zhuk class
1.3.222.7.9	Yaz class
1.3.222.7.10	Stenka class
1.3.222.7.11	Piyavka class (river patrol craft)
1.3.222.7.12	SO 1 class
1.3.222.7.13	Shmel class (river patrol craft)
1.3.222.7.14	TR 40 class (river patrol craft)
1.3.222.7.15	Command ship (river patrol craft)
1.3.222.7.15.1	SSV-10
1.3.222.7.16	Potok class (torpedo experimental ships)
1.3.222.7.16.1	OS-100
1.3.222.7.16.2	OS-138
1.3.222.7.16.3	OS-145
1.3.222.7.16.4	OS-225
1.3.222.7.17	Shelon class (torpedo operating/patrol & target craft)
1.3.222.7.17.1	YPT Weapon Recovery
1.3.222.7.17.2	Shelon II (Environmental Research)
1.3.222.7.18	Poluchat I/II/III classes (torpedo operating/patrol & target craft)

Field Value	Description
1.3.222.7.19	Pozharny I class
1.3.222.7.20	Iva class (fire/patrol craft)
1.3.222.7.20.1	PZHK 415
1.3.222.7.20.2	1514
1.3.222.7.20.3	1544
1.3.222.7.20.4	1547
1.3.222.7.20.5	1859
1.3.222.7.21	Vikhr class
1.3.222.7.22	Vosh class (river patrol craft)
1.3.222.7.23	Shershen class
1.3.222.7.24	Komar class
1.3.222.7.25	Matka class
1.3.222.8	Mine Countermeasure Ship / Craft
1.3.222.8.1	Alesha Class
1.3.222.8.1.1	Pripyat
1.3.222.8.1.2	Vychegda
1.3.222.8.1.3	Pechora
1.3.222.8.2	Natya I class
1.3.222.8.2.1	Dizelist
1.3.222.8.2.2	Miner
1.3.222.8.2.3	Starshkiy
1.3.222.8.2.4	Snaypr
1.3.222.8.2.5	Elektrik
1.3.222.8.2.6	Motorist
1.3.222.8.2.7	Signalshik
1.3.222.8.2.8	Turbinist
1.3.222.8.2.9	Polemetchiz
1.3.222.8.2.10	Rulevoy
1.3.222.8.2.11	Zapal
1.3.222.8.2.12	Zenitchik
1.3.222.8.2.13	Radist
1.3.222.8.2.14	Dobrotay
1.3.222.8.2.15	Zaryad
1.3.222.8.3	Natya II class
1.3.222.8.4	Yurka class
1.3.222.8.4.1	Gafel
1.3.222.8.4.2	Evgeniy Nikonov
1.3.222.8.4.3	Mazlov
1.3.222.8.4.4	Navodchik

Field Value	Description
1.3.222.8.4.5	Semen Rosal
1.3.222.8.5	T-43 class
1.3.222.8.6	Sonya class
1.3.222.8.7	Baltika class
1.3.222.8.8	Vanya I class
1.3.222.8.9	Vanya II class
1.3.222.8.10	Sasha class
1.3.222.8.11	Yevgenya class
1.3.222.8.12	Pelikan class ACV (minesweeper, inshore)
1.3.222.8.13	Lida class (minehunter, inshore)
1.3.222.8.14	Ilyusha class (minesweeper, inshore)
1.3.222.8.15	(deleted)
1.3.222.8.16	Olya class (minesweeper, inshore)
1.3.222.8.17	Tanya class (minesweeper, inshore)
1.3.222.8.18	K 8 class (minesweeping boat)
1.3.222.8.19	Gorya class (minehunter, ocean)
1.3.222.8.19.1	Zheleznakov
1.3.222.9	Dock landing ship
1.3.222.9.1	Ivan Rogov class
1.3.222.9.1.1	Ivan Rogov
1.3.222.9.1.2	Aleksandr Nikolay
1.3.222.9.1.3	Mitrofan Moskalenko
1.3.222.10	Tank landing ship
1.3.222.10.1	Ropucha class
1.3.222.10.1.1	Aleksandr Shabalin
1.3.222.10.1.2	Constantin Olshanskiy
1.3.222.10.1.3	Tsesar Kunikov
1.3.222.10.1.4	Bobruisk
1.3.222.10.2	Alligator class
1.3.222.10.2.1	Aleksandr Tortsev
1.3.222.10.2.2	Donetskiy Shakhter
1.3.222.10.2.3	Krasnaya Presnya
1.3.222.10.2.4	Krymskiy Kom.
1.3.222.10.2.5	Nikolay Fil'chenkov
1.3.222.10.2.6	Nikolay Vilkov
1.3.222.10.2.7	50 Let Sheftsva Vlksm
1.3.222.10.2.8	Petr Il'ichyev
1.3.222.10.2.9	Sergei Lazo
1.3.222.10.2.10	Tomskiy Kom.

Field Value	Description
1.3.222.10.2.11	Ilya Azarov
1.3.222.10.3	Polnocny class
1.3.222.11	Landing craft
1.3.222.11.1	(deleted)
1.3.222.11.2	(deleted)
1.3.222.11.3	(deleted)
1.3.222.11.4	Vydra class
1.3.222.11.5	Ondatra class
1.3.222.13	Cruiser/Helicopter Carrier
1.3.222.13.1	(deleted)
1.3.222.14	Hydrofoil
1.3.222.14.1	(deleted)
1.3.222.14.2	(deleted)
1.3.222.14.3	Matka class (fast attack craft, missile hydrofoil)
1.3.222.14.4	(deleted)
1.3.222.14.5	Mukha class (fast attack craft, patrol hydrofoil)
1.3.222.14.6	Turya class (fast attack craft, torpedo hydrofoil)
1.3.222.14.7	(deleted)
1.3.222.14.8	(deleted)
1.3.222.14.9	Babochka class (fast attack craft, patrol hydrofoil)
1.3.222.14.10	Muravey class (fast attack craft, patrol hydrofoil)
1.3.222.15	Air cushion/Surface effect
1.3.222.15.1	Pomornik class (air-cushion vehicles)
1.3.222.15.2	Aist class (air-cushion vehicles)
1.3.222.15.3	Tsaplya class (air-cushion vehicles)
1.3.222.15.4	(deleted)
1.3.222.15.5	(deleted)
1.3.222.15.6	(deleted)
1.3.222.15.7	Utka class (wing-in-ground-effect craft) (air cushion)
1.3.222.15.8	Orlan class (wing-in-ground-effect craft) (air cushion)
1.3.222.16	Auxiliary
1.3.222.16.1	Ugra class (submarine depot ships)
1.3.222.16.1.1	Ivan Kolyshkin
1.3.222.16.1.2	Ivan Vakhrameev
1.3.222.16.1.3	Volga
1.3.222.16.1.4	Ivan Kucherenko
1.3.222.16.1.5	(deleted)
1.3.222.16.1.6	Lentra
1.3.222.16.2	Don class (submarine depot ships)

Field Value	Description
1.3.222.16.2.1	Dmitry Galkin
1.3.222.16.2.2	Kamchatsky Kkomsomolets
1.3.222.16.2.3	Magomet Gadzhiev (ex-Mikhail Tukhachevsky)
1.3.222.16.2.4	Viktor Kotelnikov
1.3.222.16.2.5	Fedor Vidyayev
1.3.222.16.2.6	Magadansky Komsomolets
1.3.222.16.3	Aleksandr Brykin class (missile support ship)
1.3.222.16.3.1	Aleksandr Brykin
1.3.222.16.4	Amga class (missile support ships)
1.3.222.16.4.1	Amga
1.3.222.16.4.2	Vetluga
1.3.222.16.4.3	Daugava
1.3.222.16.5	Malina class (nuclear submarine support ships)
1.3.222.16.5.1	PM 63
1.3.222.16.5.2	PM 74
1.3.222.16.5.3	PM 12
1.3.222.16.6	Pinega class (nuclear submarine support ships)
1.3.222.16.6.1	Pinega
1.3.222.16.6.2	Amur
1.3.222.16.7	Lama class (missile support ships)
1.3.222.16.7.1	General Ryabakov
1.3.222.16.7.2	Voronesh
1.3.222.16.7.3	PM 44
1.3.222.16.7.4	PM 93
1.3.222.16.7.5	PM 131
1.3.222.16.7.6	PM 150
1.3.222.16.7.7	PM 154
1.3.222.16.8	Modified Andizhan class (missile support ships)
1.3.222.16.8.1	Venta
1.3.222.16.8.2	Vilyuy
1.3.222.16.9	Amur I Class (Repair Ship)
1.3.222.16.9.1	PM 9
1.3.222.16.9.2	PM 10
1.3.222.16.9.3	PM 15
1.3.222.16.9.4	PM 37
1.3.222.16.9.5	PM 49
1.3.222.16.9.6	PM 52
1.3.222.16.9.7	PM 56
1.3.222.16.9.8	PM 75



Field Value	Description
1.3.222.16.9.9	PM 94
1.3.222.16.9.10	PM 138
1.3.222.16.9.11	PM 161
1.3.222.16.9.12	PM 163
1.3.222.16.9.13	5
1.3.222.16.9.14	30
1.3.222.16.9.15	34
1.3.222.16.9.16	40
1.3.222.16.9.17	64
1.3.222.16.9.18	73
1.3.222.16.9.19	81
1.3.222.16.9.20	82
1.3.222.16.9.21	129
1.3.222.16.9.22	139
1.3.222.16.9.23	140
1.3.222.16.9.24	156
1.3.222.16.10	Amur II Class (repair ship)
1.3.222.16.10.1	59
1.3.222.16.10.2	69
1.3.222.16.10.3	86
1.3.222.16.10.4	92
1.3.222.16.10.5	97
1.3.222.16.11	Oskol class (repair ships)
1.3.222.16.11.1	PM 2
1.3.222.16.11.2	PM 24
1.3.222.16.11.3	PM 26
1.3.222.16.11.4	PM 42
1.3.222.16.11.5	PM 147
1.3.222.16.11.6	PM 148
1.3.222.16.11.7	20
1.3.222.16.11.8	21
1.3.222.16.11.9	51
1.3.222.16.11.10	68
1.3.222.16.11.11	146
1.3.222.16.12	Tomba class (support ships)
1.3.222.16.12.1	244
1.3.222.16.12.2	254
1.3.222.16.12.3	348
1.3.222.16.12.4	357

Field Value	Description
1.3.222.16.13	Vytegrales class (support & depot)
1.3.222.16.13.1	Apsheon (ex-Vagales)
1.3.222.16.13.2	Baskunchak (ex-Kirishi)
1.3.222.16.13.3	Dauriya (ex-Vyborgles)
1.3.222.16.13.4	Dikson (ex-Vostok 3)
1.3.222.16.13.5	Donbas (ex-Vostok 4)
1.3.222.16.13.6	Sevan (ex-Siverles)
1.3.222.16.13.7	Taman (ex-Suzdal)
1.3.222.16.13.8	Yamal (ex-Tosnoles)
1.3.222.16.14	Vishnya class (AGIs)
1.3.222.16.14.1	SSV 169
1.3.222.16.14.2	SSV 175
1.3.222.16.14.3	SSV 201
1.3.222.16.14.4	SSV 208
1.3.222.16.14.5	SSV 231
1.3.222.16.14.6	SSV 520
1.3.222.16.14.7	SSV 535
1.3.222.16.15	Balzam class (AGIs)
1.3.222.16.15.1	SSV 80
1.3.222.16.15.2	SSV 493
1.3.222.16.15.3	SSV 516
1.3.222.16.15.4	SSV 571
1.3.222.16.16	Primorye class (AGIs)
1.3.222.16.16.1	SSV 464 Zabaykalye
1.3.222.16.16.2	SSV 465 Primorye
1.3.222.16.16.3	SSV 501 Zaporozhye
1.3.222.16.16.4	SSV 502 Zakarpatye
1.3.222.16.16.5	SSV 590 Krym
1.3.222.16.16.6	SSV 591 Kavkaz
1.3.222.16.17	Nikolay Zubov class (AGIs)
1.3.222.16.17.1	SSV 468 Gavril Sarychev (mod)
1.3.222.16.17.2	SSV 469 Semen Chelyuskin
1.3.222.16.17.3	SSV 503 Khariton Laptev (mod)
1.3.222.16.18	Modified Pamir class (AGIs)
1.3.222.16.18.1	SSV 477 Peleng (ex-Arban)
1.3.222.16.19	Moma class (AGIs)
1.3.222.16.19.1	Ekvator
1.3.222.16.19.2	Yupiter (mod)
1.3.222.16.19.3	Kildin (mod)

Field Value	Description
1.3.222.16.19.4	SSV 472 (ex-Ilmen) (mod)
1.3.222.16.19.5	SSV 474 (ex-Vega) (mod)
1.3.222.16.19.6	SSV 506 (ex-Nakhodka)
1.3.222.16.19.7	SSV 509 (ex-Pelorus) (mod)
1.3.222.16.19.8	SSV 512 (ex-Arkhipelag) (mod)
1.3.222.16.19.9	SSV 514 (ex-Seliger) (mod)
1.3.222.16.20	Alpinist class (AGIs)
1.3.222.16.20.1	GS 7 (mod)
1.3.222.16.20.2	GS 8
1.3.222.16.20.3	GS 19 (mod)
1.3.222.16.20.4	GS 39 (mod)
1.3.222.16.21	Mayak class
1.3.222.16.21.1	Khersones
1.3.222.16.21.2	Kurs
1.3.222.16.21.3	Kursograf
1.3.222.16.21.4	Ladoga
1.3.222.16.21.5	GS 239
1.3.222.16.21.6	GS 242
1.3.222.16.21.7	Girorulevoy
1.3.222.16.21.8	Aneroid
1.3.222.16.22	Okean class (AGIs)
1.3.222.16.22.1	(deleted)
1.3.222.16.22.2	(deleted)
1.3.222.16.22.3	(deleted)
1.3.222.16.22.4	Ekholot
1.3.222.16.22.5	Krenometr
1.3.222.16.22.6	Linza (mod)
1.3.222.16.22.7	Lotlin (mod)
1.3.222.16.22.8	Reduktor (mod)
1.3.222.16.22.9	Repiter
1.3.222.16.22.10	Teodolit
1.3.222.16.22.11	Traverz
1.3.222.16.22.12	Zond (mod) no missiles
1.3.222.16.23	Lentra class (AGIs)
1.3.222.16.23.1	GS 41
1.3.222.16.23.2	GS 43 (mod)
1.3.222.16.23.3	GS 55
1.3.222.16.23.4	GS 59
1.3.222.16.24	Akademik Krylov class (naval research)

Field Value	Description
1.3.222.16.24.1	Admiral Vladimirsky
1.3.222.16.24.2	Ivan Kruzenshtern
1.3.222.16.24.3	Leonid Demin
1.3.222.16.24.4	Akademik Krylov
1.3.222.16.24.5	Leonid Sobolev
1.3.222.16.24.6	Mikhail Krupsky
1.3.222.16.25	Abkhaziya class (naval research)
1.3.222.16.25.1	Abkhaziya
1.3.222.16.25.2	Adzhariya
1.3.222.16.25.3	Bashkiriya
1.3.222.16.25.4	Moldavia
1.3.222.16.26	Polyus class (Kovel type) (naval research)
1.3.222.16.26.1	Baykal (mod)
1.3.222.16.26.2	Balkhash (mod)
1.3.222.16.26.3	Polyus
1.3.222.16.27	Modified Dobrynya Nikitich class (naval research)
1.3.222.16.27.1	Vladimir Kavraysky
1.3.222.16.28	Nikolay Zubov class (naval research)
1.3.222.16.28.1	Aleksey Chirikov
1.3.222.16.28.2	Fedor Litke
1.3.222.16.28.3	Andrey Vilkitsky
1.3.222.16.28.4	Nikolay Zubov
1.3.222.16.28.5	Boris Davidov
1.3.222.16.28.6	Semen Dezhnev
1.3.222.16.28.7	Faddey Bellinsgausen
1.3.222.16.28.8	Vasily Golovnin
1.3.222.16.29	Yug class (naval research)
1.3.222.16.29.1	V Adm Vorontsov (ex-Briz)
1.3.222.16.29.2	Donuzlav
1.3.222.16.29.3	Gals
1.3.222.16.29.4	Gidrolog
1.3.222.16.29.5	Gorizont
1.3.222.16.29.6	Mangyshlak
1.3.222.16.29.7	Marshal Gelovani
1.3.222.16.29.8	Nikolay Matusevich
1.3.222.16.29.9	Pegas
1.3.222.16.29.10	Persey
1.3.222.16.29.11	Pluton
1.3.222.16.29.12	Senezh

Field Value	Description
1.3.222.16.29.13	Strelets
1.3.222.16.29.14	Tayga
1.3.222.16.29.15	Vizir
1.3.222.16.29.16	Zodiak
1.3.222.16.29.17	Stvor
1.3.222.16.29.18	704 (ex-SSV 328)
1.3.222.16.30	Mod Sorum class (naval research)
1.3.222.16.30.1	OS 572
1.3.222.16.31	Moma class (+9 AGIs) (naval survey)
1.3.222.16.31.1	Altair
1.3.222.16.31.2	Anadyr
1.3.222.16.31.3	Andromeda
1.3.222.16.31.4	Antares
1.3.222.16.31.5	Antarktyda
1.3.222.16.31.6	Arktika
1.3.222.16.31.7	Askold
1.3.222.16.31.8	Berezan
1.3.222.16.31.9	Cheleken
1.3.222.16.31.10	Elton
1.3.222.16.31.11	Kolguev (mod)
1.3.222.16.31.12	Krilon
1.3.222.16.31.13	Liman
1.3.222.16.31.14	Mars
1.3.222.16.31.15	Morzhovets
1.3.222.16.31.16	Okean
1.3.222.16.31.17	Rybachy (mod)
1.3.222.16.31.18	Sever
1.3.222.16.31.19	Taymyr
1.3.222.16.31.20	Zapolyarye
1.3.222.16.32	Samara class (naval survey)
1.3.222.16.32.1	Azimut
1.3.222.16.32.2	Glubomer
1.3.222.16.32.3	Tropik
1.3.222.16.32.4	Deviator
1.3.222.16.32.5	Gradus
1.3.222.16.32.6	Vostok
1.3.222.16.32.7	Gigrometr
1.3.222.16.32.8	Kompas
1.3.222.16.32.9	Vaygach (mod)

Field Value	Description
1.3.222.16.32.10	Moskovsky Universitet
1.3.222.16.32.11	Pamyat Merkuryia
1.3.222.16.32.12	Zenit (ex-Gorizont) (mod)
1.3.222.16.32.13	Rumb
1.3.222.16.33	Finik class (naval survey)
1.3.222.16.33.1	GS 44
1.3.222.16.33.2	47
1.3.222.16.33.3	84
1.3.222.16.33.4	86
1.3.222.16.33.5	87
1.3.222.16.33.6	260
1.3.222.16.33.7	265
1.3.222.16.33.8	270
1.3.222.16.33.9	272
1.3.222.16.33.10	278
1.3.222.16.33.11	296
1.3.222.16.33.12	297
1.3.222.16.33.13	301
1.3.222.16.33.14	388
1.3.222.16.33.15	392
1.3.222.16.33.16	397
1.3.222.16.33.17	398
1.3.222.16.33.18	399
1.3.222.16.33.19	400
1.3.222.16.33.20	401
1.3.222.16.33.21	402
1.3.222.16.33.22	403
1.3.222.16.33.23	404
1.3.222.16.33.24	405
1.3.222.16.34	Biya class (naval survey)
1.3.222.16.34.1	GS 182
1.3.222.16.34.2	193
1.3.222.16.34.3	194
1.3.222.16.34.4	198
1.3.222.16.34.5	200
1.3.222.16.34.6	202
1.3.222.16.34.7	204
1.3.222.16.34.8	206
1.3.222.16.34.9	210

Field Value	Description
1.3.222.16.34.10	212
1.3.222.16.34.11	214
1.3.222.16.34.12	271
1.3.222.16.34.13	273
1.3.222.16.34.14	275
1.3.222.16.35	Kamenka class (naval survey)
1.3.222.16.35.1	GS 66
1.3.222.16.35.2	74
1.3.222.16.35.3	78
1.3.222.16.35.4	82
1.3.222.16.35.5	107
1.3.222.16.35.6	108 (ex-Vernier)
1.3.222.16.35.7	113 (ex-Belbeck)
1.3.222.16.35.8	118
1.3.222.16.35.9	199 (ex-Sima)
1.3.222.16.35.10	207
1.3.222.16.35.11	211
1.3.222.16.35.12	Astronom (mod)
1.3.222.16.36	Vinograd class (naval survey)
1.3.222.16.36.1	GS 525
1.3.222.16.36.2	GS 526
1.3.222.16.37	Melitopol class (naval survey)
1.3.222.16.37.1	Mayak
1.3.222.16.37.2	Nivelir
1.3.222.16.37.3	Prizma
1.3.222.16.37.4	Indigurka (mod)
1.3.222.16.37.5	Shevchenoko (mod)
1.3.222.16.38	Nyryat 1 class (naval survey)
1.3.222.16.39	Nyryat 2 class (naval survey)
1.3.222.16.40	Sibir class (naval missile range)
1.3.222.16.40.1	Sakhalin
1.3.222.16.40.2	Spassk (ex-Suchan)
1.3.222.16.41	Marshal Nedelin class (naval missile range)
1.3.222.16.41.1	Marshal Nedelin
1.3.222.16.41.2	Marshal Krylov
1.3.222.16.41.3	Akademik Nicolai Pilyugin
1.3.222.16.42	Kamchatka class (AG) (naval missile range)
1.3.222.16.42.1	SSV 391 Kamchatka
1.3.222.16.43	Kapusta class (naval missile range)

Field Value	Description
1.3.222.16.43.1	SSV 33 Ural
1.3.222.16.44	Ugra II class (AXT) (training)
1.3.222.16.44.1	Borodino
1.3.222.16.44.2	Gangut
1.3.222.16.45	Smolny class (AXT) (training)
1.3.222.16.45.1	Khasan
1.3.222.16.45.2	Perekop
1.3.222.16.45.3	Smolny
1.3.222.16.46	Wodnik II class (AXT) (training)
1.3.222.16.46.1	Luga
1.3.222.16.46.2	Oka
1.3.222.16.47	Sail training ships
1.3.222.16.47.1	Mir
1.3.222.16.47.2	Druzjba
1.3.222.16.47.3	Khersones
1.3.222.16.47.4	Pallada
1.3.222.16.48	Klasma class (cable ships)
1.3.222.16.48.1	Donets
1.3.222.16.48.2	Ingul
1.3.222.16.48.3	Inguri
1.3.222.16.48.4	Katun
1.3.222.16.48.5	Tavda
1.3.222.16.48.6	Tsna
1.3.222.16.48.7	Yana type I
1.3.222.16.48.8	Zeya
1.3.222.16.49	Emba I class (cable ships)
1.3.222.16.49.1	Emba
1.3.222.16.49.2	Nepryadva
1.3.222.16.49.3	Setun
1.3.222.16.50	Emba II class (cable ships)
1.3.222.16.50.1	Biriusa
1.3.222.16.50.2	Kemj
1.3.222.16.51	Berezina class (replenishment ships)
1.3.222.16.51.1	Berezina
1.3.222.16.52	Boris Chilikin class (replenishment ships)
1.3.222.16.52.1	Boris Butoma
1.3.222.16.52.2	Genrich Gasanov
1.3.222.16.52.3	Boris Chilikin
1.3.222.16.52.4	Ivan Bubnov



Field Value	Description
1.3.222.16.52.5	Dnestr
1.3.222.16.52.6	Vladimir Kolechitsky
1.3.222.16.53	Dubna class (replenishment tankers)
1.3.222.16.53.1	Dubna
1.3.222.16.53.2	Pechenga
1.3.222.16.53.3	Irkut
1.3.222.16.53.4	Sventa
1.3.222.16.54	Mod Kazbek class (replenishment tankers)
1.3.222.16.54.1	Alatyr
1.3.222.16.54.2	Desna
1.3.222.16.54.3	Volkhov
1.3.222.16.55	Mod Altay class (replenishment tankers)
1.3.222.16.55.1	Elnya
1.3.222.16.55.2	Ilim
1.3.222.16.55.3	Izhora
1.3.222.16.55.4	Kola
1.3.222.16.55.5	Prut
1.3.222.16.55.6	Yegorlik
1.3.222.16.56	Uda class (replenishment tankers)
1.3.222.16.56.1	Dunay (mod)
1.3.222.16.56.2	Koida
1.3.222.16.56.3	Lena (mod)
1.3.222.16.56.4	Terek (mod)
1.3.222.16.56.5	Vishera
1.3.222.16.57	Olekma class (replenishment tankers)
1.3.222.16.57.1	Olekma (mod)
1.3.222.16.57.2	Iman
1.3.222.16.57.3	Zolotoy rog
1.3.222.16.58	Kaliningradneft class (support tankers)
1.3.222.16.58.1	Argun
1.3.222.16.58.2	Vyazma
1.3.222.16.59	Sofya class (support tanker)
1.3.222.16.59.1	Akhtyuba (ex-Hanoi)
1.3.222.16.60	Nercha class (support tankers)
1.3.222.16.60.1	Nara
1.3.222.16.60.2	Nercha
1.3.222.16.61	Konda class (support tankers)
1.3.222.16.61.1	Konda
1.3.222.16.61.2	Rossosh

Field Value	Description
1.3.222.16.61.3	Soyana
1.3.222.16.61.4	Yakhroma
1.3.222.16.62	Khobi class (support tankers)
1.3.222.16.62.1	Cheremshan
1.3.222.16.62.2	Orsha
1.3.222.16.62.3	Shelon
1.3.222.16.62.4	Tartu
1.3.222.16.62.5	Khobi
1.3.222.16.62.6	Seima
1.3.222.16.62.7	Sosva
1.3.222.16.62.8	Titan 150
1.3.222.16.62.9	Lovat
1.3.222.16.62.10	Shacha
1.3.222.16.62.11	Sysola
1.3.222.16.62.12	Tunguska
1.3.222.16.62.13	Metan
1.3.222.16.63	Irtysk class (support tanker)
1.3.222.16.63.1	Narva
1.3.222.16.64	Baskunchak class (support tankers)
1.3.222.16.64.1	Ivan Golubets
1.3.222.16.64.2	Sovietsky Pogranichnik
1.3.222.16.65	Luza class (special tankers)
1.3.222.16.65.1	Alambai
1.3.222.16.65.2	Barguzin
1.3.222.16.65.3	Kama
1.3.222.16.65.4	Aragvi
1.3.222.16.65.5	Don
1.3.222.16.65.6	Selenga
1.3.222.16.66	Vala class (special tankers)
1.3.222.16.66.1	Vala
1.3.222.16.66.2	TNT 11
1.3.222.16.66.3	TNT 27
1.3.222.16.66.4	12
1.3.222.16.66.5	19
1.3.222.16.66.6	25
1.3.222.16.66.7	29
1.3.222.16.67	OB class (AH)
1.3.222.16.67.1	OB
1.3.222.16.67.2	Yenisei

Field Value	Description
1.3.222.16.67.3	Svir
1.3.222.16.67.4	Irtysk
1.3.222.16.68	Mikhail Rudnitsky class (ARs)
1.3.222.16.68.1	Mikhail Rudnitsky
1.3.222.16.68.2	Georgy Kozmin
1.3.222.16.68.3	Georgy Titov
1.3.222.16.68.4	Sayany
1.3.222.16.69	Pamir class (salvage, rescue & mooring)
1.3.222.16.69.1	Agatan
1.3.222.16.69.2	Aldan
1.3.222.16.70	Ingul class (salvage, rescue & mooring)
1.3.222.16.70.1	Pamir
1.3.222.16.70.2	Mashuk
1.3.222.16.70.3	Alatau
1.3.222.16.70.4	Karakh
1.3.222.16.71	Sliva class (salvage, rescue & mooring)
1.3.222.16.71.1	SB 406
1.3.222.16.71.2	SB 408
1.3.222.16.71.3	SB 921
1.3.222.16.71.4	SB 922 Shakhter
1.3.222.16.72	Kashtan class (buoy tenders)
1.3.222.16.72.1	KIL 926
1.3.222.16.72.2	KIL 143
1.3.222.16.72.3	KIL 164
1.3.222.16.72.4	KIL 498
1.3.222.16.72.5	KIL 927
1.3.222.16.72.6	KIL 158
1.3.222.16.72.7	KIL 140
1.3.222.16.72.8	KIL 168
1.3.222.16.73	Sura class (buoy tenders)
1.3.222.16.73.1	KIL 1
1.3.222.16.73.2	2
1.3.222.16.73.3	21
1.3.222.16.73.4	22
1.3.222.16.73.5	25
1.3.222.16.73.6	27
1.3.222.16.73.7	29
1.3.222.16.73.8	31
1.3.222.16.73.9	32

Field Value	Description
1.3.222.16.73.10	33
1.3.222.16.74	Orel class (salvage tugs)
1.3.222.16.74.1	SB 38
1.3.222.16.74.2	SB 43
1.3.222.16.75	Katun I class (salvage & rescue tugs)
1.3.222.16.75.1	PZHS 96
1.3.222.16.75.2	98
1.3.222.16.75.3	123
1.3.222.16.75.4	124
1.3.222.16.75.5	209
1.3.222.16.75.6	273
1.3.222.16.75.7	279
1.3.222.16.75.8	282
1.3.222.16.75.9	551
1.3.222.16.76	Katun II (salvage & rescue tugs)
1.3.222.16.76.1	PZHS 64
1.3.222.16.76.2	92
1.3.222.16.77	Neptun class (salvage, rescue & mooring)
1.3.222.16.77.1	KIL 3
1.3.222.16.77.2	6
1.3.222.16.77.3	7
1.3.222.16.77.4	9
1.3.222.16.77.5	11
1.3.222.16.77.6	13
1.3.222.16.77.7	15
1.3.222.16.77.8	17
1.3.222.16.77.9	18
1.3.222.16.78	Elbrus class (submarine rescue ships)
1.3.222.16.78.1	Elbrus
1.3.222.16.78.2	Alagez
1.3.222.16.79	Nepa class (submarine rescue ships)
1.3.222.16.79.1	Karpaty
1.3.222.16.80	Prut class (submarine rescue ships)
1.3.222.16.80.1	Altay
1.3.222.16.80.2	Beshtau
1.3.222.16.80.3	Vladimir Trefolev
1.3.222.16.80.4	Zhiguli
1.3.222.16.80.5	SS 21
1.3.222.16.80.6	Epron (ex-SS 26)

Field Value	Description
1.3.222.16.80.7	SS 83
1.3.222.16.81	Valday class (ex-T 58)
1.3.222.16.81.1	Kazbek
1.3.222.16.81.2	Khibiny
1.3.222.16.81.3	Valday
1.3.222.16.81.4	Zangezur
1.3.222.16.81.5	Pulkovo (ex-SS 38)
1.3.222.16.81.6	SS 30
1.3.222.16.81.7	35
1.3.222.16.81.8	40
1.3.222.16.81.9	47
1.3.222.16.81.10	50
1.3.222.16.82	Anadyr class (transports)
1.3.222.16.82.1	Anadyr
1.3.222.16.83	Angara class (transports)
1.3.222.16.83.1	Angara (ex-Hela)
1.3.222.16.84	Amguema class (transports)
1.3.222.16.84.1	Yauza
1.3.222.16.85	Chulym class (transports)
1.3.222.16.85.1	Severodonetsk
1.3.222.16.86	Andizan class (transports)
1.3.222.16.86.1	Onda
1.3.222.16.86.2	Posyet
1.3.222.16.87	Kalinin class (transports)
1.3.222.16.87.1	Kuban (ex-Nadeshda-Krupskaya)
1.3.222.16.88	Antonov class (transports)
1.3.222.16.88.1	Neon Antonov
1.3.222.16.88.2	Irbit
1.3.222.16.88.3	Nicolay Starshinov
1.3.222.16.88.4	Ivan Lednev
1.3.222.16.88.5	Nikolay Sipyagin
1.3.222.16.88.6	Ivan Sudtsov
1.3.222.16.88.7	Ivan Odtejev
1.3.222.16.88.8	Victor Denison
1.3.222.16.88.9	Sergey Sudetsky
1.3.222.16.88.10	Dvina
1.3.222.16.88.11	Mikhail Kononov
1.3.222.16.89	Partizan class (transports)
1.3.222.16.89.1	Pechora

Field Value	Description
1.3.222.16.89.2	Turgay
1.3.222.16.89.3	Ufa
1.3.222.16.89.4	V Adm Fomin (ex-Pinega) (mod)
1.3.222.16.90	Keyla class (transports)
1.3.222.16.90.1	Mezen
1.3.222.16.90.2	Onega
1.3.222.16.90.3	Ponoi
1.3.222.16.90.4	Ritsa (AGI)
1.3.222.16.90.5	Teriberka
1.3.222.16.90.6	Tuloma
1.3.222.16.90.7	Tvertsa
1.3.222.16.90.8	Unza
1.3.222.16.90.9	Ussury
1.3.222.16.90.10	Yeruslan
1.3.222.16.91	Muna class (transports)
1.3.222.16.91.1	VTR 28
1.3.222.16.91.2	48
1.3.222.16.91.3	81
1.3.222.16.91.4	82
1.3.222.16.91.5	83
1.3.222.16.91.6	84
1.3.222.16.91.7	85
1.3.222.16.91.8	86
1.3.222.16.91.9	91
1.3.222.16.91.10	92
1.3.222.16.91.11	93
1.3.222.16.91.12	94
1.3.222.16.91.13	148
1.3.222.16.92	Mayak class (transports)
1.3.222.16.92.1	Buzuluk
1.3.222.16.92.2	Ishim
1.3.222.16.92.3	Lama
1.3.222.16.92.4	Mius
1.3.222.16.92.5	Neman
1.3.222.16.92.6	Rioni
1.3.222.16.92.7	Ulma
1.3.222.16.92.8	Vytegra
1.3.222.16.93	Lentra class (transports)
1.3.222.16.93.1	Alma

Field Value	Description
1.3.222.16.93.2	Kacha
1.3.222.16.93.3	Ufa
1.3.222.16.93.4	Ugra
1.3.222.16.93.5	VTR 1
1.3.222.16.93.6	28
1.3.222.16.93.7	32
1.3.222.16.93.8	143
1.3.222.16.93.9	144
1.3.222.16.93.10	145
1.3.222.16.94	MP 4 class (transports)
1.3.222.16.94.1	VTR 294
1.3.222.16.94.2	VTR 295
1.3.222.16.95	MP 6 class (transports)
1.3.222.16.95.1	Bira
1.3.222.16.95.2	Vologda
1.3.222.16.96	Telnovsk class (transports)
1.3.222.16.96.1	Burovestnik
1.3.222.16.96.2	Lag
1.3.222.16.96.3	VTR 73
1.3.222.16.96.4	VTR 74 (ex-Jan Kreuks)
1.3.222.16.97	Khabarov class (transports)
1.3.222.16.97.1	VTR 8
1.3.222.16.97.2	13
1.3.222.16.97.3	15
1.3.222.16.97.4	25
1.3.222.16.98	Komandor class
1.3.222.16.98.1	Komandor
1.3.222.16.98.2	Shkiper Gyek
1.3.222.16.98.3	Herluf Bidstrup
1.3.222.16.99	Onega class
1.3.222.16.99.1	GKS 52
1.3.222.16.99.2	SFP 95
1.3.222.16.99.3	SFP 224
1.3.222.16.99.4	SFP 240
1.3.222.16.99.5	SFP 283
1.3.222.16.99.6	GKS 286
1.3.222.16.99.7	SFP 295
1.3.222.16.99.8	SFP 322
1.3.222.16.99.9	SFP 340

Field Value	Description
1.3.222.16.99.10	SFP 173
1.3.222.16.99.11	SFP 511
1.3.222.16.99.12	SFP 542
1.3.222.16.99.13	SFP 562
1.3.222.16.99.14	SFP 177
1.3.222.16.100	T 43 class
1.3.222.16.100.1	GKS 11
1.3.222.16.100.2	12
1.3.222.16.100.3	14-24
1.3.222.16.100.4	26
1.3.222.16.100.5	45
1.3.222.16.101	(deleted)
1.3.222.16.102	(deleted)
1.3.222.16.103	(deleted)
1.3.222.16.104	PO 2 class
1.3.222.16.105	Nyryat 2 class
1.3.222.16.106	Nyryat 1 class
1.3.222.16.107	Petrushka class
1.3.222.16.108	Miernyk class
1.3.222.16.109	Daldyn class
1.3.222.16.109.1	Daldyn
1.3.222.16.110	Yelva class
1.3.222.16.110.1	VM 143
1.3.222.16.110.2	146
1.3.222.16.110.3	154
1.3.222.16.110.4	266
1.3.222.16.110.5	268
1.3.222.16.110.6	413
1.3.222.16.110.7	414
1.3.222.16.110.8	416
1.3.222.16.110.9	420
1.3.222.16.110.10	425
1.3.222.16.110.11	907
1.3.222.16.110.12	909
1.3.222.16.111	Bolva (barracks ships)
1.3.222.16.111.1	Bolva 1
1.3.222.16.111.2	Bolva 2
1.3.222.16.111.3	Bolva 3
1.3.222.16.112	Target Barge



Field Value	Description
1.3.222.17	Auxiliary, Merchant Marine
1.3.222.17.1	Tamyr class (ice breakers)
1.3.222.17.1.1	Tamyr
1.3.222.17.1.2	Vaygach
1.3.222.17.2	Arktika class (ice breakers)
1.3.222.17.2.1	Arktika
1.3.222.17.2.2	Sibir
1.3.222.17.2.3	Rossiya
1.3.222.17.2.4	Sovetskiy Soyuz
1.3.222.17.2.5	Oktyabryskaya Revolutsiya
1.3.222.17.2.6	Ural (1996)
1.3.222.17.3	Yermak class (ice breakers)
1.3.222.17.3.1	Yermak
1.3.222.17.3.2	Admiral Makarov
1.3.222.17.3.3	Krasin
1.3.222.17.4	Moskva class (ice breakers)
1.3.222.17.4.1	(deleted)
1.3.222.17.4.2	Leningrad
1.3.222.17.4.3	(deleted)
1.3.222.17.4.4	Murmansk
1.3.222.17.4.5	Vladivostok
1.3.222.17.5	Kapitan Sorokin class (ice breakers)
1.3.222.17.5.1	Kapitan Sorokin (mod)
1.3.222.17.5.2	Kapitan Nikolayev
1.3.222.17.5.3	Kapitan Dranitsyn
1.3.222.17.5.4	Kapitan Khlebnikov
1.3.222.17.6	Mudyug class (ice breakers)
1.3.222.17.6.1	Mudyug
1.3.222.17.6.2	Magadan
1.3.222.17.6.3	Dikson
1.3.222.17.7	Kapitan Belousov class (ice breakers)
1.3.222.17.7.1	Kapitan Belousov
1.3.222.17.7.2	Kapitan Melekhov
1.3.222.17.7.3	Kapitan Voronin
1.3.222.17.8	Dobrynya Nikitich class (ice breakers)
1.3.222.17.8.1	Afanasy Nikitin (ex-Ledokol 2)
1.3.222.17.8.2	Purga (1961)
1.3.222.17.8.3	Buran (1966)
1.3.222.17.8.4	Sadko (1968)

Field Value	Description
1.3.222.17.8.5	Dobrynya Nikitich (1960)
1.3.222.17.8.6	Semen Chelyuskin (ex-Ledokol 8)(1965)
1.3.222.17.8.7	Fedor Litke (1970)
1.3.222.17.8.8	Georgy Sedov (1967)
1.3.222.17.8.9	Semen Dezhnev (1971)
1.3.222.17.8.10	Ilya Muromets (1966)
1.3.222.17.8.11	Vasily Poyarkov (ex-Ledokol 4) (1963)
1.3.222.17.8.12	Ivan Moskvitin (1971)
1.3.222.17.8.13	Vladimir Rusanov (ex-Ledokol 7) (1964)
1.3.222.17.8.14	Ivan Kruzenshtern (ex-Ledokol 6) (1964)
1.3.222.17.8.15	Khariton Laptev (ex-Ledokol 3) (1962)
1.3.222.17.8.16	Vyuga (1961) (ex-Ledokol 5) (1963)
1.3.222.17.8.17	P Pakhtusov (1966)
1.3.222.17.8.18	Peresvet (1969)
1.3.222.17.8.19	Yerofei Khabarov
1.3.222.17.8.20	Yury Lisyansky (ex-Ledokol 9) (1965)
1.3.222.17.8.21	Plug (1961)
1.3.222.17.9	Kapitan Chechkin class (ice breakers)
1.3.222.17.9.1	Kapitan Chechkin
1.3.222.17.9.2	Kapitan Plakhin
1.3.222.17.9.3	Kapitan Chadayev
1.3.222.17.9.4	Kapitan Krutov
1.3.222.17.9.5	Kapitan Bukayev
1.3.222.17.9.6	Kapitan Zarubin
1.3.222.17.10	Kapitan Yevdokimov class (ice breakers)
1.3.222.17.10.1	Kapitan Uevdokimov
1.3.222.17.10.2	Kapitan Babichev
1.3.222.17.10.3	Kapitan Chudinov
1.3.222.17.10.4	Kapitan Borodkin
1.3.222.17.10.5	Avramiy Zavenyagin (ex-Kapitan Krylov)
1.3.222.17.10.6	Kapitan Metsayk
1.3.222.17.10.7	Kapitan Demidov
1.3.222.17.10.8	Kapitan Moshkin
1.3.222.17.11	Kapitan Izmaylov class (ice breakers)
1.3.222.17.11.1	Kapitan M. Izmaylov
1.3.222.17.11.2	Kapitan Kosolapov
1.3.222.17.11.3	Kapitan A. Radzabov
1.3.222.17.12	Stroptivy class (ice breakers)
1.3.222.17.12.1	Stroptivy

Field Value	Description
1.3.222.17.12.2	Stakhanovets
1.3.222.17.12.3	Sibirsky
1.3.222.17.12.4	Spravedlivy
1.3.222.17.12.5	Suvorovets
1.3.222.17.12.6	Fobos
1.3.222.17.12.7	Deymos
1.3.222.17.13	Ivan Susanin class (armed ice breakers)
1.3.222.17.13.1	Zaisberg
1.3.222.17.13.2	Neva
1.3.222.17.13.3	Dunay
1.3.222.17.13.4	Ruslan
1.3.222.17.13.5	Imeni XXVI Syezda KPSS
1.3.222.17.13.6	Volga
1.3.222.17.13.7	Ivan Susanin
1.3.222.17.13.8	Imeni XXV Syezda KPSS
1.3.222.18	Utility
1.3.222.18.1	Manych class (water tankers)
1.3.222.18.1.1	Manych
1.3.222.18.1.2	Tagil
1.3.222.18.2	Voda class (water carriers)
1.3.222.18.2.1	Abakan
1.3.222.18.2.2	Sura
1.3.222.18.2.3	MVT 6
1.3.222.18.2.4	9
1.3.222.18.2.5	10
1.3.222.18.2.6	16
1.3.222.18.2.7	17
1.3.222.18.2.8	18
1.3.222.18.2.9	20
1.3.222.18.2.10	21
1.3.222.18.2.11	24
1.3.222.18.2.12	134
1.3.222.18.2.13	135
1.3.222.18.2.14	138
1.3.222.18.3	Pelym class (degaussing ships (YDG))
1.3.222.18.3.1	SR 70
1.3.222.18.3.2	SR 111
1.3.222.18.3.3	SR 179
1.3.222.18.3.4	SR 180

Field Value	Description
1.3.222.18.3.5	SR 191
1.3.222.18.3.6	SR 203
1.3.222.18.3.7	SR 215
1.3.222.18.3.8	SR 218
1.3.222.18.3.9	SR 221
1.3.222.18.3.10	SR 222
1.3.222.18.3.11	SR 233
1.3.222.18.3.12	SR 241
1.3.222.18.3.13	SR 276
1.3.222.18.3.14	SR 280
1.3.222.18.3.15	SR 281
1.3.222.18.3.16	SR 407
1.3.222.18.3.17	SR 409
1.3.222.18.3.18	SR 455
1.3.222.18.4	Bereza Class (degaussing ships (YDG))
1.3.222.18.4.1	SR 28
1.3.222.18.4.2	SR 59
1.3.222.18.4.3	SR 74
1.3.222.18.4.4	SR 120
1.3.222.18.4.5	SR 137
1.3.222.18.4.6	SR 188
1.3.222.18.4.7	SR 216
1.3.222.18.4.8	SR 370
1.3.222.18.4.9	SR 478
1.3.222.18.4.10	SR 479
1.3.222.18.4.11	SR 541
1.3.222.18.4.12	SR 548
1.3.222.18.4.13	SR 568
1.3.222.18.4.14	SR 569
1.3.222.18.4.15	SR 570
1.3.222.18.4.16	SR 936
1.3.222.18.4.17	SR 939
1.3.222.18.5	Khabarov class (degaussing ships (YDG))
1.3.222.18.5.1	Khabarov
1.3.222.18.5.2	SR 164
1.3.222.18.6	Sekstan class
1.3.222.18.7	Korall class
1.3.222.18.8	Baklazhan class (tugs)
1.3.222.18.8.1	SB 131 Nikolai Chiker

Field Value	Description
1.3.222.18.8.2	SB 135
1.3.222.18.9	Neftegaz class (tugs)
1.3.222.18.9.1	Aleksey Kortunov
1.3.222.18.9.2	Ilga
1.3.222.18.9.3	Umka
1.3.222.18.9.4	Kalar
1.3.222.18.10	Goryn class (tugs)
1.3.222.18.10.1	MB 15
1.3.222.18.10.2	MB 119
1.3.222.18.10.3	MB 18
1.3.222.18.10.4	SB 365 (ex-MB 29)
1.3.222.18.10.5	MB 32
1.3.222.18.10.6	SB 521 (ex-MB 61)
1.3.222.18.10.7	MB 35
1.3.222.18.10.8	SB 522 (ex-MB 62)
1.3.222.18.10.9	MB 36
1.3.222.18.10.10	SB 523 (ex-MB 64)
1.3.222.18.10.11	MB 38
1.3.222.18.10.12	SB 524 (ex-MB 108)
1.3.222.18.10.13	MB 105
1.3.222.18.11	Sorum class (tugs)
1.3.222.18.11.1	Amur
1.3.222.18.11.2	Primorye
1.3.222.18.11.3	Brest
1.3.222.18.11.4	Bug
1.3.222.18.11.5	Burya
1.3.222.18.11.6	Chukotka
1.3.222.18.11.7	Kamchatka
1.3.222.18.11.8	Karelia
1.3.222.18.11.9	Ladoga
1.3.222.18.11.10	Neman
1.3.222.18.11.11	Sakhalin
1.3.222.18.11.12	Ural
1.3.222.18.11.13	Victor Kingsiepp
1.3.222.18.11.14	Yan Berzin
1.3.222.18.11.15	Yenisey
1.3.222.18.11.16	Zabaykalye
1.3.222.18.11.17	Zapolarye
1.3.222.18.11.18	MB 4

Field Value	Description
1.3.222.18.11.19	MB 6
1.3.222.18.11.20	MB 13
1.3.222.18.11.21	MB 19
1.3.222.18.11.22	MB 25
1.3.222.18.11.23	MB 26
1.3.222.18.11.24	MB 28
1.3.222.18.11.25	MB 30
1.3.222.18.11.26	MB 31
1.3.222.18.11.27	MB 37
1.3.222.18.11.28	MB 56
1.3.222.18.11.29	MB 58
1.3.222.18.11.30	MB 61
1.3.222.18.11.31	MB 76
1.3.222.18.11.32	MB 99
1.3.222.18.11.33	MB 110
1.3.222.18.11.34	MB 147
1.3.222.18.11.35	MB 148
1.3.222.18.11.36	MB 196
1.3.222.18.11.37	MB 236
1.3.222.18.11.38	MB 304
1.3.222.18.11.39	MB 307
1.3.222.18.12	Okhtensky class (tugs)
1.3.222.18.12.1	Loksa
1.3.222.18.12.2	Orion
1.3.222.18.12.3	Saturn
1.3.222.18.12.4	Neptun
1.3.222.18.12.5	Pochetny
1.3.222.18.12.6	Tyulen
1.3.222.18.13	Roslavl class (tugs)
1.3.222.18.13.1	MB 50
1.3.222.18.13.2	MB 94
1.3.222.18.13.3	MB 95
1.3.222.18.13.4	MB 102
1.3.222.18.13.5	MB 125
1.3.222.18.13.6	MB 145
1.3.222.18.13.7	MB 146
1.3.222.18.13.8	MB 147
1.3.222.18.13.9	SB 41
1.3.222.18.13.10	SB 46

Field Value	Description
1.3.222.18.14	Zenit class (tugs)
1.3.222.18.15	Scholle class (harbor tugs)
1.3.222.18.16	Tugur class (harbor tugs)
1.3.222.18.17	Sidehole (1, 2) classes (harbor tugs)
1.3.222.50	Frigate
1.3.222.50.1	Grisha I class
1.3.222.50.2	Grisha II class
1.3.222.50.2.1	(deleted)
1.3.222.50.2.2	(deleted)
1.3.222.50.2.3	(deleted)
1.3.222.50.2.4	(deleted)
1.3.222.50.2.5	(deleted)
1.3.222.50.2.6	(deleted)
1.3.222.50.2.7	(deleted)
1.3.222.50.2.8	(deleted)
1.3.222.50.2.9	(deleted)
1.3.222.50.2.10	U-200 Vinnitsa (Ukraine) (Ex-Dneper)
1.3.222.50.2.11	(deleted)
1.3.222.50.2.12	(deleted)
1.3.222.50.3	Grisha III class
1.3.222.50.4	Grisha V class
1.3.222.50.5	(deleted)
1.3.222.50.6	Petya I class
1.3.222.50.7	Petya II class
1.3.222.50.8	Riga class
1.3.222.50.9	Krivak III (Zaliv (Kerch))
1.3.222.50.9.1	Menzhinsky
1.3.222.50.9.2	Derzhinsky
1.3.222.50.9.3	Orel
1.3.222.50.9.4	Imeni IXX Letiya Vchk-Kgb
1.3.222.50.9.5	Imeni IXX Letiya Pogranvoysk
1.3.222.50.9.6	Kedrov
1.3.222.50.9.7	Vorovsky
1.3.222.50.9.8	Hetman Dorosenko
1.3.222.50.9.9	Hetman Petr Sagadachny
1.3.222.50.10	Parchim II Class
1.3.222.50.11	Petya III Class
1.3.222.50.12	Koni Class
1.3.222.52	Heavy Cruiser

Field Value	Description
1.3.222.61	Non-Combatant Ship
1.3.222.61.1	Container Class
1.3.222.61.1.1	Akvamarinovyy
1.3.222.61.1.2	Ivan Susanin
1.3.222.61.1.3	Kapitan Chukhchin
1.3.222.61.2	Small Fishing Boat
1.3.222.61.3	Medium Fishing Boat
1.3.222.61.4	Large Fishing Boat

#### 4.2.3.2.4. Subsurface

Field Value	Description
1.4.222	
1.4.222.1	SSBN (Nuclear Ballistic Missile)
1.4.222.1.1	Typhoon class
1.4.222.1.2	Delta IV class
1.4.222.1.3	Delta III class
1.4.222.1.4	Delta II class
1.4.222.1.5	Delta I class
1.4.222.1.6	Yankee I class
1.4.222.1.7	(deleted)
1.4.222.1.8	(deleted)
1.4.222.1.9	(deleted)
1.4.222.1.10	(deleted)Golf I class
1.4.222.1.11	(deleted)
1.4.222.2	SSGN (Nuclear Guided Missile)
1.4.222.2.1	Oscar II class
1.4.222.2.2	(deleted)
1.4.222.2.3	(deleted)
1.4.222.2.4	(deleted)
1.4.222.2.5	(deleted)
1.4.222.2.6	Yankee conversion class
1.4.222.2.7	Severodvinsk class
1.4.222.3	SSN (Nuclear Attack-Torpedo)
1.4.222.3.1	Victor III Class
1.4.222.3.2	Victor II class
1.4.222.3.3	(deleted)
1.4.222.3.4	Yankee Notch class
1.4.222.3.5	Sierra II class



Field Value	Description
1.4.222.3.5.1	Orel
1.4.222.3.5.2	Kasatka
1.4.222.3.6	(deleted)
1.4.222.3.7	Alfa class
1.4.222.3.8	Akula class
1.4.222.3.8.1	Bars
1.4.222.3.8.2	Leopard
1.4.222.3.8.3	Pantera
1.4.222.3.8.4	Puma
1.4.222.3.8.5	Volk
1.4.222.3.8.6	Tigr
1.4.222.3.9	Akula II Class
1.4.222.4	SSG (Conventional Guided Missile)
1.4.222.4.1	(deleted)
1.4.222.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.222.5.1	Kilo class
1.4.222.5.2	Tango class
1.4.222.5.3	Foxtrot class
1.4.222.5.4	Romeo class
1.4.222.5.4.1	(North Korean Romeo SS (Snorkle))
1.4.222.5.4.2	(North Korean Romeo SS (Split Plant))
1.4.222.5.4.3	Romeo
1.4.222.5.5	Whiskey Class
1.4.222.6	SSAN (Nuclear Auxiliary)
1.4.222.6.1	Yankee class (ex-SSBN)
1.4.222.6.2	Uniform class
1.4.222.6.3	Paltus class
1.4.222.7	SSA (Conventional Auxiliary)
1.4.222.7.1	(deleted)
1.4.222.7.2	(deleted)
1.4.222.7.3	Lima class
1.4.222.7.4	Beluga class
1.4.222.7.5	X-Ray class
1.4.222.7.6	India class
1.4.222.7.7	Bravo class (target sub)

#### 4.2.3.2.5. Space

Field Value	Description
1.5.222	
1.5.222.0	Other
1.5.222.0.0	Astronomical Module
1.5.222.0.0.1	Kavant 1
1.5.222.0.0.2	Kavant 2
1.5.222.0.0.3	Priroda
1.5.222.0.0.4	Spektrum
1.5.222.0.0.5	Kristall
1.5.222.1	Manned
1.5.222.1.1	Space Shuttle
1.5.222.1.1.1	Buran
1.5.222.1.2	Space Station
1.5.222.1.2.1	Mir
1.5.222.1.2.2	Kvant
1.5.222.1.2.3	Resurs-F2
1.5.222.1.3	Space vehicles
1.5.222.1.3.1	Phobos 2
1.5.222.1.3.2	Soyuz-TM
1.5.222.1.3.3	Phobos
1.5.222.1.3.4	Progress
1.5.222.1.3.5	Progress-M
1.5.222.1.3.6	Prognaz
1.5.222.1.3.7	Vostok
1.5.222.1.3.8	Molniya
1.5.222.1.3.9	Cosmos
1.5.222.1.3.10	Proton K
1.5.222.1.3.11	Proton KM
1.5.222.1.3.12	Tsyklon
1.5.222.1.3.13	Zenit
1.5.222.1.3.14	Lomonosov (MHB)
1.5.222.2	Unmanned
1.5.222.2.1	Communication satellite
1.5.222.2.1.1	Molniya
1.5.222.2.2	Navigation satellite
1.5.222.2.2.1	GEO-IK Geodedic Cosmos
1.5.222.2.2.2	Elektron
1.5.222.2.3	Early Warning satellite
1.5.222.2.3.1	Cosmos
1.5.222.2.4	Electronic Intelligence satellite

Field Value	Description
1.5.222.2.4.1	Elints
1.5.222.2.6	Ocean surveillance satellite
1.5.222.2.6.1	Okean
1.5.222.2.6.2	Eorsats
1.5.222.2.8	Optical imaging surveillance satellite
1.5.222.2.8.1	Venera
1.5.222.2.8.2	Generation
1.5.222.2.10	Minor military satellite
1.5.222.2.10.1	C2093
1.5.222.2.10.2	C2002
1.5.222.2.10.3	C2059
1.5.222.2.10.4	C2075
1.5.222.2.10.5	C2137
1.5.222.2.10.6	C2164
1.5.222.2.10.7	C1985
1.5.222.2.10.8	C2053
1.5.222.2.10.9	C2106
1.5.222.2.11	Illuminating satellite
1.5.222.2.11.1	Reflector
1.5.222.2.11.2	Energia
1.5.222.2.12	Microwave activity
1.5.222.2.12.1	Relikt

### 4.2.3.3. United Kingdom Platform

#### 4.2.3.3.1. Land

Field Value	Description
1.1.224	
1.1.224.1	Tank
1.1.224.1.1	Chieftain MBT
1.1.224.1.2	Challenger MBT
1.1.224.1.2.1	Mark I
1.1.224.1.2.2	Mark II
1.1.224.2	Armored fighting vehicle
1.1.224.2.1	FV 432 (APC)
1.1.224.2.1.1	Ambulance

Field Value	Description
1.1.224.2.1.2	81mm mortar carrier
1.1.224.2.2	FV 103 Spartan (APC)
1.1.224.2.3	FV 601 Saladin
1.1.224.2.4	FV 107 Scimitar
1.1.224.2.5	(deleted)
1.1.224.2.6	FV 603 Saracen
1.1.224.2.7	AT 105 Saxon
1.1.224.2.8	FV 510 Warrior
1.1.224.2.9	FV 711 Ferret
1.1.224.2.10	FV 721 Fox
1.1.224.2.11	(deleted)
1.1.224.2.12	FV 102 Striker
1.1.224.2.13	FV 101 Scorpion
1.1.224.2.14	FV 106 Samson
1.1.224.3	Armored utility vehicle
1.1.224.3.1	FV 4204 Chieftain ARV
1.1.224.3.2	Challenger ARV
1.1.224.3.3	FV 4003 Centurion (MK 5) AVRE
1.1.224.3.4	Chieftain AVRE
1.1.224.3.5	Combat Engineer tractor
1.1.224.3.6	FV 4205 Chieftain AVLB
1.1.224.3.7	Mobile bridge
1.1.224.3.7.1	M2
1.1.224.3.7.2	M3
1.1.224.3.8	FV 105 Sultan
1.1.224.3.9	FV 104 Samaritan
1.1.224.3.10	FV 512 Warrior Repair Vehicle
1.1.224.3.11	FV 513 Warrior Recovery Vehicle
1.1.224.4	Self-propelled artillery
1.1.224.4.1	FV 433 Abbot 105-mm Howitzer
1.1.224.4.2	(deleted)
1.1.224.4.3	(deleted)
1.1.224.4.4	(deleted)
1.1.224.4.5	(deleted)
1.1.224.4.6	Stormer HVM Carrier
1.1.224.4.7	AS90 155-mm
1.1.224.5	Towed artillery
1.1.224.5.1	FH-70 155-mm gun
1.1.224.5.2	L-118 105-mm

Field Value	Description
1.1.224.5.3	M-56 105-mm
1.1.224.5.4	5.5-in/140-mm
1.1.224.6	Small wheeled utility vehicle
1.1.224.6.1	LWB Land Rover
1.1.224.6.2	Land Rover 6x6 truck
1.1.224.6.3	Tractor, aircraft towing
1.1.224.7	Large wheeled utility vehicle
1.1.224.7.1	4 Tonne
1.1.224.7.2	8 Tonne
1.1.224.7.3	8 Tonne fuel
1.1.224.7.4	14 Tonne
1.1.224.7.5	14 Tonne with bridge trailer
1.1.224.8	Small tracked utility vehicle
1.1.224.9	Large tracked utility vehicle
1.1.224.10	Mortar
1.1.224.11	Mine plow
1.1.224.11.1	Mortar, 51mm, L10A1
1.1.224.12	Mine rake
1.1.224.13	Mine roller
1.1.224.14	Cargo trailer
1.1.224.14.1	0 - 0.5 ton
1.1.224.14.2	0.51 - 2 ton
1.1.224.14.3	2.01 - 5 ton
1.1.224.14.4	5.02 - 10 ton
1.1.224.14.5	greater than 10 tons
1.1.224.15	Fuel trailer
1.1.224.15.1	1-1000 gallons
1.1.224.15.2	1001 - 5000 gallons
1.1.224.15.3	greater than 5000 gallons
1.1.224.16	Generator trailer
1.1.224.16.1	0 - 100 KW
1.1.224.16.2	greater than 100 KW
1.1.224.17	Water trailer
1.1.224.17.1	1-1000 gallons
1.1.224.17.2	1001- 5000 gallons
1.1.224.17.3	greater than 5000 gallons
1.1.224.18	Engineer equipment
1.1.224.18.1	Mine clearing line charge
1.1.224.18.2	Dozer blade kit

Field Value	Description
1.1.224.18.3	Lane marking system
1.1.224.19	Heavy equipment transport trailer
1.1.224.20	Maintenance equipment trailer
1.1.224.20.1	Welding trailer
1.1.224.20.2	Compressor
1.1.224.20.3	Tools/parts trailer
1.1.224.21	Limber
1.1.224.22	Chemical decontamination trailer
1.1.224.28	Air Defense/Missile Defense Unit Equipment
1.1.224.28.1	Rapier SAM System
1.1.224.28.1.1	Rapier Battery Command Post (BCP)
1.1.224.28.1.2	Rapier Launcher
1.1.224.28.1.2.1	Standard 4-Round Launcher
1.1.224.28.1.2.2	6-Round Launcher (Darkfire variant)
1.1.224.28.1.2.3	8-Round Launcher (Rapier 2000/JERNAS)
1.1.224.28.1.2.4	Tracked Rapier
1.1.224.28.1.3	Blindfire Engagement Radar (DN-181)
1.1.224.28.1.4	Dagger Surveillance Radar (Rapier 2000/JERNAS)

## 4.2.3.3.2. Air

Field Value	Description
1.2.224	
1.2.224.1	Fighter/Air Defense
1.2.224.1.1	Tornado ADV
1.2.224.1.1.1	Tornado F. Mk2
1.2.224.1.1.2	Tornado F. Mk 2A
1.2.224.1.1.3	Tornado F. Mk 3
1.2.224.1.2	(deleted)
1.2.224.1.3	Eurofighter 2000
1.2.224.2	Attack/Strike
1.2.224.2.1	Sea Harrier
1.2.224.2.1.1	Sea Harrier FRS. Mk 1
1.2.224.2.1.2	Sea Harrier T. Mk 4
1.2.224.2.1.3	Sea Harrier FRS. Mk 51
1.2.224.2.2	Harrier
1.2.224.2.2.1	Harrier GR. Mk 3
1.2.224.2.2.2	Harrier T. Mk 4
1.2.224.2.2.3	Harrier GR. 5

Field Value	Description
1.2.224.2.2.4	Harrier GR. 7
1.2.224.2.2.5	VA.1 Matador (AV-8S & TAV-8S)
1.2.224.2.2.6	Harrier GR. Mk9
1.2.224.2.3	BAe HS Buccaneer
1.2.224.2.4	Tornado
1.2.224.2.4.1	Tornado GR Mk 1
1.2.224.2.4.2	Tornado GR Mk 1A
1.2.224.2.4.3	Tornado GR Mk 4
1.2.224.2.5	Jaguar
1.2.224.2.5.1	Jaguar GR1 Mk 1
1.2.224.2.5.2	Jaguar GR1 Mk 1A
1.2.224.2.5.3	Jaguar GR Mk3
1.2.224.2.5.4	Jaguar GR Mk3A
1.2.224.2.6	BAe Hawk
1.2.224.2.6.1	Hawk T Mk 1
1.2.224.2.6.2	Hawk T Mk 1A
1.2.224.4	Cargo/Tanker
1.2.224.4.1	K-2 Victor
1.2.224.4.2	Hercules C130
1.2.224.4.2.1	Hercules C. Mk 1
1.2.224.4.2.2	Hercules C. Mk 1P
1.2.224.4.2.3	Hercules C. MK 1K
1.2.224.4.2.4	Hercules C. Mk 3P
1.2.224.4.3	BAe 146
1.2.224.4.3.1	BAe 146 CC. Mk 2
1.2.224.4.4	(deleted)
1.2.224.4.5	Sea Devon
1.2.224.4.6	Sea Heron
1.2.224.4.7	V-22 Osprey
1.2.224.4.8	BAe (BAC/Vickers) VC-10
1.2.224.4.8.1	VC-10 C. Mk1(K)
1.2.224.4.8.2	VC-10 K. Mk 2
1.2.224.4.8.3	VC-10 K. Mk 3
1.2.224.4.8.4	VC-10 K. Mk 4
1.2.224.4.9	(deleted)
1.2.224.4.10	(deleted)
1.2.224.4.11	Pilatus Britten-Norman Defender
1.2.224.4.11.1	Islander CC. Mk 2
1.2.224.4.11.2	Islander AL. Mk 1

Field Value	Description
1.2.224.4.11.3	Maritime Defender
1.2.224.4.11.4	Turbine Defender
1.2.224.4.12	Shorts 330 Sherpa
1.2.224.4.12.1	C-23A
1.2.224.4.12.2	C-23B
1.2.224.4.12.3	Shorts 330-UTT
1.2.224.4.12.4	Skyvan SC7
1.2.224.4.13	(deleted)
1.2.224.4.14	BAe HS 748MF
1.2.224.4.14.1	Andover C. Mk 1
1.2.224.4.15	Vickers VC2 Viscount
1.2.224.4.16	L-1011 TriStar
1.2.224.4.16.1	TriStar KC Mk 1
1.2.224.4.16.2	TriStar K Mk 1
1.2.224.4.16.3	TriStar C Mk 2
1.2.224.5	ASW/patrol/observation
1.2.224.5.1	Nimrod
1.2.224.5.1.1	Nimrod R Mk 1
1.2.224.5.1.2	Nimrod MR Mk 2
1.2.224.5.1.3	Nimrod MR Mk 2P
1.2.224.5.1.4	Nimrod MR Mk 3
1.2.224.5.2	BAe P. 132
1.2.224.7	Reconnaissance
1.2.224.7.1	English Electric Canberra
1.2.224.7.1.1	Canberra PR Mk 7
1.2.224.7.1.2	Canberra PR Mk 9
1.2.224.7.2	HS Buccaneer
1.2.224.7.2.1	Buccaneer S. Mk 2A
1.2.224.7.3	Tornado
1.2.224.7.3.1	Tornado GR Mk 1 w/recon pod
1.2.224.8	Surveillance/C2
1.2.224.8.1	E-3D Sentry AEW Mk 1
1.2.224.8.2	Andover
1.2.224.8.2.1	Andover C. Mk1
1.2.224.8.3	Canberra
1.2.224.8.3.1	B Mk 2
1.2.224.8.3.2	T Mk 4
1.2.224.8.3.3	E Mk 15
1.2.224.8.3.4	E Mk 17



Field Value	Description
1.2.224.8.3.5	TT Mk 18
1.2.224.8.3.6	TT Mk 22
1.2.224.8.4	Hawker Hunter
1.2.224.8.4.1	GA 11
1.2.224.8.4.2	T. Mk 7
1.2.224.8.4.3	T. Mk 8
1.2.224.8.4.4	PR Mk 11
1.2.224.20	Attack Helicopter
1.2.224.20.1	Boeing
1.2.224.20.1.1	WAH64
1.2.224.21	Utility helicopter
1.2.224.21.1	(deleted)
1.2.224.21.2	Westland Lynx
1.2.224.21.2.1	Mk 5
1.2.224.21.2.2	(deleted)
1.2.224.21.2.3	(deleted)
1.2.224.21.2.4	(deleted)
1.2.224.21.2.5	(deleted)
1.2.224.21.2.6	(deleted)
1.2.224.21.2.7	(deleted)
1.2.224.21.2.8	(deleted)
1.2.224.21.2.9	(deleted)
1.2.224.21.2.10	(deleted)
1.2.224.21.2.11	Mk 28
1.2.224.21.2.12	(deleted)
1.2.224.21.2.13	Mk 90
1.2.224.21.2.14	Mk 86
1.2.224.21.2.15	Mk 95
1.2.224.21.2.16	Mk 99
1.2.224.21.2.17	AH. Mk1
1.2.224.21.2.18	AH. Mk 7
1.2.224.21.2.19	AH. Mk 9
1.2.224.21.8	Westland Wessex
1.2.224.21.8.1	HC.MK 2
1.2.224.21.8.2	HC.MK 5
1.2.224.21.9	Scout
1.2.224.21.10	Wasp
1.2.224.21.11	(deleted)
1.2.224.21.12	(deleted)

Field Value	Description
1.2.224.21.13	(deleted)
1.2.224.21.14	(deleted)
1.2.224.21.15	(deleted)
1.2.224.21.16	(deleted)
1.2.224.21.17	(deleted)
1.2.224.21.18	SA 330
1.2.224.21.19	Westland Super Lynx
1.2.224.21.19.1	Mk 95
1.2.224.21.19.2	Mk 99
1.2.224.22	Antisubmarine Warfare / Patrol Helicopter
1.2.224.22.1	Westland Sea King
1.2.224.22.1.1	HAS. Mk 1
1.2.224.22.1.2	HAS. Mk 2
1.2.224.22.1.3	HAS. Mk 5
1.2.224.22.1.4	HAS. Mk 6
1.2.224.22.1.5	AEW. Mk 2A
1.2.224.22.1.6	HAR. Mk 3
1.2.224.22.1.7	HAR. Mk 5
1.2.224.22.1.8	Mk 41
1.2.224.22.1.9	Mk 42
1.2.224.22.1.10	Mk 42A
1.2.224.22.1.11	Mk 42B
1.2.224.22.1.12	Mk 43
1.2.224.22.1.13	Mk 43A
1.2.224.22.1.14	Mk 43B
1.2.224.22.1.15	Mk 45
1.2.224.22.1.16	Mk 47
1.2.224.22.1.17	Mk 48
1.2.224.22.1.18	Mk 50
1.2.224.22.2	Westland Lynx (Naval)
1.2.224.22.2.1	HAS Mk 2
1.2.224.22.2.2	HAS Mk 3
1.2.224.22.2.3	HAS Mk 2 (FN)
1.2.224.22.2.4	HAS Mk 3 (FN)
1.2.224.22.2.5	Mk 21 (Brazil)
1.2.224.22.2.6	Mk 23 (Argentina)
1.2.224.22.2.7	Mk 25 (Netherlands)
1.2.224.22.2.8	Mk 27 (Netherlands)
1.2.224.22.2.9	MK 81 (Netherlands)

Field Value	Description
1.2.224.22.2.10	MK 80 (Denmark)
1.2.224.22.2.11	MK 8
1.2.224.22.3	EH101 Merlin
1.2.224.23	Cargo Helicopter
1.2.224.23.1	Westland Commando
1.2.224.23.1.1	Commando Mk 1
1.2.224.23.1.2	Commando Mk 2
1.2.224.23.1.3	Commando Mk 2B
1.2.224.23.1.4	Commando Mk 2E
1.2.224.23.1.5	Commando Mk 2A
1.2.224.23.1.6	Commando Mk 2C
1.2.224.23.1.7	Commando Mk 3
1.2.224.23.1.8	Indian Sea King Mk 42C
1.2.224.23.1.9	Sea King HC. Mk
1.2.224.40	Trainer
1.2.224.40.1	Shorts S312 Tucano
1.2.224.40.1.1	T. Mk 1
1.2.224.40.2	Bulldog
1.2.224.40.2.1	T. MK 1
1.2.224.40.3	Chipmunk
1.2.224.40.4	(deleted)
1.2.224.40.5	BAe Hawk
1.2.224.40.5.1	Hawk T. Mk 1
1.2.224.40.5.2	Hawk T. Mk 1A
1.2.224.40.5.3	Goshawk T-45A
1.2.224.40.6	BAe Jetstream Super 31
1.2.224.40.6.1	Jetstream T Mk 2
1.2.224.40.6.2	Jetstream T Mk 3
1.2.224.40.7	Chieftain
1.2.224.40.8	BAe 125-800
1.2.224.40.8.1	C-29A
1.2.224.40.8.2	U-125A
1.2.224.40.9	Slingsby T67 Firefly
1.2.224.40.9.1	T67M Mk II
1.2.224.40.9.2	T67M260
1.2.224.40.10	Provost
1.2.224.40.10.1	T Mk 5
1.2.224.57	Non-Combatant Commercial Aircraft
1.2.224.57.1	Passenger Airline

Field Value	Description
1.2.224.57.1.1	British Aerospace 146-100
1.2.224.57.1.2	BAC-111

## 4.2.3.3.3. Surface

Field Value	Description
1.3.224	
1.3.224.4	Guided-missile Destroyer
1.3.224.4.1	Type 42
1.3.224.4.1.1	D 86 Birmingham
1.3.224.4.1.2	D 87 Newcastle
1.3.224.4.1.3	D 88 Glasgow
1.3.224.4.1.4	D 108 Cardiff
1.3.224.4.1.5	D 89 Exeter
1.3.224.4.1.6	D 90 Southampton
1.3.224.4.1.7	D 91 Nottingham
1.3.224.4.1.8	D 92 Liverpool
1.3.224.4.1.9	D 95 Manchester
1.3.224.4.1.10	D 96 Gloucester
1.3.224.4.1.11	D 97 Edinburgh
1.3.224.4.1.12	D 98 York
1.3.224.4.2	Type 45
1.3.224.4.2.1	D 32 Daring
1.3.224.4.2.2	D 33 Dauntless
1.3.224.4.2.3	D 34 Diamond
1.3.224.4.2.4	D 35 Dragon
1.3.224.4.2.5	D 36 Defender
1.3.224.4.2.6	D 37 Duncan
1.3.224.6	Guided-missile Frigate
1.3.224.6.1	Duke class (Type 23)
1.3.224.6.1.1	F 230 Norfolk
1.3.224.6.1.2	F 231 Argyll
1.3.224.6.1.3	F 229 Lancaster (ex-F 232)
1.3.224.6.1.4	F 233 Marlborough
1.3.224.6.1.5	F 234 Iron Duke
1.3.224.6.1.6	F 235 Monmouth
1.3.224.6.1.7	F 236 Montrose
1.3.224.6.1.8	F 237 Westminster
1.3.224.6.1.9	F 238 Northumberland

Field Value	Description
1.3.224.6.1.10	F 239 Richmond
1.3.224.6.1.11	F 240 Somerset
1.3.224.6.1.12	F 241 Grafton
1.3.224.6.1.13	F 242 Sutherland
1.3.224.6.2	Broadsword class (Type 22)
1.3.224.6.2.1	F 88 Broadsword
1.3.224.6.2.2	F 89 Battleaxe
1.3.224.6.2.3	F 90 Brilliant
1.3.224.6.2.4	F 91 Brazen
1.3.224.6.2.5	F 92 Boxer
1.3.224.6.2.6	F 93 Beaver
1.3.224.6.2.7	F 94 Brave
1.3.224.6.2.8	F 95 London (ex-Bloodhound)
1.3.224.6.2.9	F 96 Sheffield
1.3.224.6.2.10	F 98 Coventry
1.3.224.6.2.11	F 85 Cumberland
1.3.224.6.2.12	F 86 Campbeltown
1.3.224.6.2.13	F 87 Chatham
1.3.224.6.2.14	F 99 Cornwall
1.3.224.6.3	Amazon class (Type 21)
1.3.224.6.3.1	(deleted)
1.3.224.6.3.2	(deleted)
1.3.224.6.3.3	(deleted)
1.3.224.6.3.4	(deleted)
1.3.224.6.3.5	(deleted)
1.3.224.6.3.6	(deleted)
1.3.224.6.3.7	F 181 Tariq (Pak.)
1.3.224.6.3.8	F 182 Babur (Pak.)
1.3.224.6.3.9	F 183 Khaibir (Pak.)
1.3.224.6.3.10	F 184 Badr (Pak.)
1.3.224.6.3.11	F 185 Shahjahan (Pak.)
1.3.224.6.3.12	F 186 Tippu Sultan (Pak.)
1.3.224.6.4	Leander Class
1.3.224.6.4.1	(deleted)
1.3.224.6.4.2	(deleted)
1.3.224.6.4.3	(deleted)
1.3.224.6.4.4	(deleted)
1.3.224.6.4.5	Condell (Chile)
1.3.224.6.4.6	Lynch (Chile)

Field Value	Description
1.3.224.6.4.7	Ministro Zenteno (Chile)
1.3.224.6.4.8	General Baquedano (Chile)
1.3.224.7	Light/patrol craft
1.3.224.7.1	Antarctic patrol ship
1.3.224.7.1.1	A 176 Polar Circle
1.3.224.7.2	Castle class (offshore patrol vessels MK 2)
1.3.224.7.2.1	P 258 Leeds Castle
1.3.224.7.2.2	Dumbarton Castle
1.3.224.7.3	Island class (offshore patrol vessels)
1.3.224.7.3.1	P 277 Anglesey
1.3.224.7.3.2	P 278 Alderney
1.3.224.7.3.3	P 295 Jersey
1.3.224.7.3.4	P 297 Guernsey
1.3.224.7.3.5	P 298 Shetland
1.3.224.7.3.6	P 299 Orkney
1.3.224.7.3.7	P 300 Lindisfarne
1.3.224.7.4	Peacock class (large patrol craft)
1.3.224.7.4.1	P 239 Peacock
1.3.224.7.4.2	P 240 Plover
1.3.224.7.4.3	P 241 Starling
1.3.224.7.5	Bird and Seal class (large patrol craft)
1.3.224.7.5.1	P 259 Redpole (ex-Sea Otter)
1.3.224.7.5.2	P 260 Kingfisher
1.3.224.7.5.3	P 261 Cygnet
1.3.224.7.6	Archer class (training and patrol craft)
1.3.224.7.6.1	P 264 Archer
1.3.224.7.6.2	P 270 Biter
1.3.224.7.6.3	P 272 Smiler
1.3.224.7.6.4	P 273 Pursuer
1.3.224.7.6.5	P 279 Blazer
1.3.224.7.6.6	P 280 Dasher
1.3.224.7.6.7	P 291 Puncher
1.3.224.7.6.8	P 292 Charger
1.3.224.7.6.9	P 293 Ranger
1.3.224.7.6.10	P 294 Trumpeter
1.3.224.7.6.11	A 153 Example (RNXS)
1.3.224.7.6.12	A 154 Explorer (RNXS)
1.3.224.7.6.13	A 163 Express (RNXS)
1.3.224.7.6.14	A 167 Exploit (RNXS)

Field Value	Description
1.3.224.8	Mine Countermeasure Ship/Craft
1.3.224.8.1	Hunt class (minesweepers/minehunters, coastal)
1.3.224.8.1.1	M 29 Brecon
1.3.224.8.1.2	M 30 Ledbury
1.3.224.8.1.3	M 31 Cattistock
1.3.224.8.1.4	M 32 Cottesmore
1.3.224.8.1.5	M 33 Brocklesby
1.3.224.8.1.6	M 34 Middleton
1.3.224.8.1.7	M 35 Dulverton
1.3.224.8.1.8	M 36 Bicester
1.3.224.8.1.9	M 37 Chiddingfold
1.3.224.8.1.10	M 38 Atherstone
1.3.224.8.1.11	M 39 Hurworth
1.3.224.8.1.12	M 40 Berkeley
1.3.224.8.1.13	M 41 Quorn
1.3.224.8.2	River class (minesweepers, coastal)
1.3.224.8.2.1	M 2003 Waveney
1.3.224.8.2.2	M 2004 Carron
1.3.224.8.2.3	M 2005 Dovey
1.3.224.8.2.4	M 2006 Helford
1.3.224.8.2.5	M 2007 Humber
1.3.224.8.2.6	M 2008 Blackwater
1.3.224.8.2.7	M 2009 Itchen
1.3.224.8.2.8	M 2010 Helmsdale
1.3.224.8.2.9	M 2011 Orwell
1.3.224.8.2.10	M2012 Ribble
1.3.224.8.2.11	M 2013 Spey
1.3.224.8.2.12	M 2014 Arun
1.3.224.8.3	Ton class (coastal minehunters)
1.3.224.8.3.1	M 1114 Brinton
1.3.224.8.3.2	M 1151 Iveston
1.3.224.8.3.3	M 1154 Kellington
1.3.224.8.3.4	M 1166 Nurton
1.3.224.8.3.5	M 1181 Sheraton
1.3.224.8.4	Sandown class (minehunters)
1.3.224.8.4.1	M 101 Sandown
1.3.224.8.4.2	M 102 Inverness
1.3.224.8.4.3	M 103 Cromer
1.3.224.8.4.4	M 104 Walney

Field Value	Description
1.3.224.8.4.5	M 105 Bridport
1.3.224.8.4.6	M 106 Penzance
1.3.224.8.4.7	M 107 Pembroke
1.3.224.8.4.8	M 108 Grimsby
1.3.224.8.4.9	M 109 Bangor
1.3.224.9	Dock Landing Ship
1.3.224.9.1	Bay Class
1.3.224.9.1.1	Largs Bay
1.3.224.9.1.2	Lyme Bay
1.3.224.9.1.3	Mounts Bay
1.3.224.9.1.4	Cardigan Bay
1.3.224.10	Tank landing ship
1.3.224.10.1	Sir Bedivere Class (LSL)
1.3.224.10.2	Sir Galahad Class (LSL)
1.3.224.12	Light carrier
1.3.224.12.1	Light aircraft carrier (CVSG)
1.3.224.12.1.1	R 05 Invincible
1.3.224.12.1.2	R 06 Illustrious
1.3.224.12.1.3	R 07 Ark Royal
1.3.224.12.1.4	R 22 VIRAAT (India)
1.3.224.16	Auxiliary
1.3.224.16.1	Leander class (training ships)
1.3.224.16.1.1	F 52 Juno
1.3.224.16.2	Dartmouth training ship
1.3.224.16.2.1	M1116 Wilton
1.3.224.16.3	Improved Hecla class (survey)
1.3.224.16.3.1	A 138 Herald
1.3.224.16.4	Hecla class (survey)
1.3.224.16.4.1	A 133 Hecla
1.3.224.16.5	A 317 Bulldog class (survey)
1.3.224.16.5.1	A 317 Bulldog
1.3.224.16.5.2	A 319 Beagle
1.3.224.16.6	Roebuck class (survey)
1.3.224.16.6.1	A 130 Roebuck
1.3.224.16.7	Ol class (large fleet tankers (AO))
1.3.224.16.7.1	A 122 Olwen
1.3.224.16.7.2	A 123 Olna
1.3.224.16.7.3	A 124 Olmeda
1.3.224.16.8	Appleleaf class (support tankers (AOT))



Field Value	Description
1.3.224.16.8.1	A 81 Brambleleaf (ex-Hudson Cavalier)
1.3.224.16.8.2	A 109 Bayleaf
1.3.224.16.8.3	A 110 Orangeleaf (ex-Balder London, ex-Hudson Progress)
1.3.224.16.8.4	O 195 Westralia (ex. A79 Hudson Cavalier)
1.3.224.16.9	Rover class (small fleet tankers (AOL))
1.3.224.16.9.1	A 269 Grey Rover
1.3.224.16.9.2	A 270 Blue rover
1.3.224.16.9.3	A 271 Gold rover
1.3.224.16.9.4	A 273 Black rover
1.3.224.16.10	Fort Victoria class (fleet replenishment)
1.3.224.16.10.1	A 387 Fort Victoria
1.3.224.16.10.2	A 388 Fort George
1.3.224.16.11	Fort Grange class (AFS(H))
1.3.224.16.11.1	A 385 Fort Grange
1.3.224.16.11.2	A 386 Fort Austin
1.3.224.16.12	Regent class (AFS(H))
1.3.224.16.12.1	A 480 Resource
1.3.224.16.12.2	A 486 Regent
1.3.224.16.13	Stena type (forward repair ship)
1.3.224.16.13.1	A 132 Diligence (ex-Stena Inspector)
1.3.224.16.14	Sal Class (salvage & mooring)
1.3.224.16.14.1	A 185 Salmoor
1.3.224.16.14.2	A 186 Salmaster
1.3.224.16.14.3	A 187 Salmaid
1.3.224.16.15	Wild Duck class (salvage & mooring)
1.3.224.16.15.1	A 164 Goosander
1.3.224.16.15.2	A 165 Pochard
1.3.224.16.16	Moorhen class (salvage & mooring)
1.3.224.16.16.1	Y 32 Moorhen
1.3.224.16.16.2	Y 33 Moorfowl
1.3.224.16.16.3	A 72 Cameron
1.3.224.16.17	Oilpress class (coastal tankers)
1.3.224.16.17.1	Y 21 Oilpress
1.3.224.16.17.2	Y 22 Oilstone
1.3.224.16.17.3	Y 23 Oilwell
1.3.224.16.17.4	Y 25 Oilbird
1.3.224.16.17.5	Y 26 Oilman
1.3.224.16.18	Tornado class (torpedo recovery)
1.3.224.16.18.1	A 140 Tornado

Field Value	Description
1.3.224.16.18.2	A 141 Torch a 141
1.3.224.16.18.3	A 142 Tormentor
1.3.224.16.18.4	A 143 Toreador
1.3.224.16.19	Water class (water carriers)
1.3.224.16.19.1	Y 17 Waterfall
1.3.224.16.19.2	Y 18 Watershed
1.3.224.16.19.3	Y 19 Waterspout
1.3.224.16.19.4	Y 30 Watercourse
1.3.224.16.19.5	Y 31 Waterfowl
1.3.224.16.19.6	A 146 Waterman
1.3.224.16.20	Seal class (Irrsc) (aviation support)
1.3.224.16.20.1	5000 Seal
1.3.224.16.20.2	5001 Seagull
1.3.224.16.21	Spitfire class (rttl mk 3) (aviation support)
1.3.224.16.21.1	4000 Spitfire
1.3.224.16.21.2	4003 Halifax
1.3.224.16.21.3	4004 Hampden
1.3.224.16.21.4	4005 Hurricane
1.3.224.16.21.5	4006 Lancaster
1.3.224.16.21.6	4007 Wellington
1.3.224.16.22	Insect class (fleet tenders)
1.3.224.16.22.1	A 216 Bee
1.3.224.16.22.2	A 229 Cricket
1.3.224.16.22.3	A 230 Cockchafer
1.3.224.16.22.4	A 239 Gnat
1.3.224.16.22.5	A 253 Ladybird
1.3.224.16.22.6	A 263 Cicada
1.3.224.16.22.7	A 272 Scarab
1.3.224.16.23	Loyal class (RNXs) (fleet tenders)
1.3.224.16.23.1	A 157 Loyal Helper
1.3.224.16.23.2	A 158 Supporter (ex-Loyal Supporter)
1.3.224.16.23.3	A 159 Loyal Watcher
1.3.224.16.23.4	A 160 Loyal Volunteer
1.3.224.16.23.5	A 161 Loyal Mediator
1.3.224.16.23.6	A 220 Loyal Moderator
1.3.224.16.23.7	A 1770 Loyal Chancellor
1.3.224.16.23.8	A 1771 Loyal Proctor
1.3.224.16.24	Clovelly class (fleet tenders)
1.3.224.16.24.1	A 207 Llandoverly

Field Value	Description
1.3.224.16.24.2	A 208 Lamlash
1.3.224.16.24.3	A 211 Lechlade
1.3.224.16.24.4	A 251 Lydford (ex-Loyal Governor, ex-Alert)
1.3.224.16.24.5	A 254 Meavy (ex-Loyal Factor, ex-Vigilant)
1.3.224.16.24.6	A 274 Ettrick
1.3.224.16.24.7	A 277 Elsing
1.3.224.16.24.8	A 341 Fotherby
1.3.224.16.24.9	A 348 Felsted
1.3.224.16.24.10	A 353 Elkstone
1.3.224.16.24.11	A 354 Froxfield
1.3.224.16.24.12	A 355 Epworth
1.3.224.16.24.13	A 365 Fulbeck
1.3.224.16.24.14	A 381 Cricklade
1.3.224.16.24.15	A 391 Criccieth
1.3.224.16.24.16	A 392 Glencoe
1.3.224.16.24.17	A 393 Dunster
1.3.224.16.24.18	A 394 Fintry
1.3.224.16.24.19	A 402 Grasmere
1.3.224.16.24.20	A 488 Cromarty
1.3.224.16.24.21	A 490 Dornoch
1.3.224.16.24.22	A 1766 Headcorn
1.3.224.16.24.23	A 1767 Hever
1.3.224.16.24.24	A 1768 Harlech
1.3.224.16.24.25	A 1769 Hambledon
1.3.224.16.24.26	A 1772 Holmwood
1.3.224.16.24.27	A 1773 Horning
1.3.224.16.25	Manly class (fleet tenders)
1.3.224.16.25.1	A 83 Melton
1.3.224.16.25.2	A 84 Menai
1.3.224.16.25.3	A 87 Meon
1.3.224.16.25.4	A 91 Milford
1.3.224.16.25.5	A 107 Messina
1.3.224.16.26	Magnet class (degaussing vessels)
1.3.224.16.26.1	A 114 Magnet
1.3.224.16.26.2	A 115 Lodestone
1.3.224.16.27	Aberdovey class (auxiliary training vessels)
1.3.224.16.27.1	A 100 Beddgelert
1.3.224.16.27.2	A 103 Sultan Venturer (ex-Bibury)
1.3.224.16.27.3	A 383 Appleby

Field Value	Description
1.3.224.16.27.4	Y 10 Aberdovey
1.3.224.16.27.5	Y 11 Abinger
1.3.224.16.27.6	Y 13 Alnmouth
1.3.224.16.28	Wave Class (Large Fleet Tankers )(AO)
1.3.224.16.28.1	A390 Wave Knight
1.3.224.16.29	Oakleaf Class (Support Tanker)(AOT)
1.3.224.16.29.1	A111 Oakleaf
1.3.224.17	Auxiliary, Merchant Marine
1.3.224.17.1	Avon class (Royal Corps of Transport)
1.3.224.17.1.1	RPL 05 Eden
1.3.224.17.1.2	RPL 06 Forth
1.3.224.17.1.3	RPL 12 Medway
1.3.224.17.2	Adept class (TUTT) (tugs)
1.3.224.17.2.1	A 221 Forceful
1.3.224.17.2.2	A 222 Nimble
1.3.224.17.2.3	A 223 Powerful
1.3.224.17.2.4	A 224 Adept
1.3.224.17.2.5	A 225 Bustler
1.3.224.17.2.6	A 226 Capable
1.3.224.17.2.7	A 227 Careful
1.3.224.17.2.8	A 228 Faithful
1.3.224.17.2.9	A 231 Dexterous
1.3.224.17.3	Dog class (tugs and range-trials vessels)
1.3.224.17.3.1	A 106 Alsatian
1.3.224.17.3.2	A 126 Cairn
1.3.224.17.3.3	A 129 Dalmatian
1.3.224.17.3.4	A 155 Deerhound
1.3.224.17.3.5	A 162 Elkhound
1.3.224.17.3.6	A 168 Labrador
1.3.224.17.3.7	A 178 Husky
1.3.224.17.3.8	A 180 Mastiff
1.3.224.17.3.9	A 182 Saluki
1.3.224.17.3.10	A 188 Pointer
1.3.224.17.3.11	A 189 Setter
1.3.224.17.3.12	A 197 Sealyham
1.3.224.17.3.13	A 201 Spaniel
1.3.224.17.3.14	A 250 Sheepdog
1.3.224.17.3.15	A 326 Foxhound (ex-Boxer)
1.3.224.17.3.16	A 327 Basset (ex-Beagle)

Field Value	Description
1.3.224.17.3.17	A 328 Collie
1.3.224.17.3.18	A 330 Corgi
1.3.224.17.4	Modified Girl Class
1.3.224.17.4.1	A 156 Daphne
1.3.224.17.4.2	A 177 Edith
1.3.224.17.5	Triton class
1.3.224.17.5.1	A 166 Kathleen
1.3.224.17.5.2	A 170 Kitty
1.3.224.17.5.3	A 172 Lesley
1.3.224.17.5.4	A 174 Lilah
1.3.224.17.5.5	A 175 Mary
1.3.224.17.5.6	A 181 Irene
1.3.224.17.5.7	A 183 Isabel
1.3.224.17.5.8	A 190 Joan
1.3.224.17.5.9	A 193 Joyce
1.3.224.17.5.10	A 199 Myrtle
1.3.224.17.5.11	A 202 Nancy
1.3.224.17.5.12	A 205 Norah
1.3.224.17.6	Felicity class
1.3.224.17.6.1	A 112 Felicity
1.3.224.17.6.2	A 147 Frances
1.3.224.17.6.3	A 148 Fiona
1.3.224.17.6.4	A 149 Florence
1.3.224.17.6.5	A 150 Genevieve
1.3.224.17.6.6	A 152 Georgina
1.3.224.17.6.7	A 196 Gwendoline
1.3.224.17.6.8	A 198 Helen
1.3.224.54	Amphibious Assault Ship
1.3.224.54.1	LPH01 Ocean
1.3.224.54.2	Helicopter Carrier (LPH)
1.3.224.54.2.1	L12 Ocean
1.3.224.56	Amphibious transport dock
1.3.224.56.1	Assault ships (LPD)
1.3.224.56.1.1	L 10 Fearless
1.3.224.56.1.2	L 11 Intrepid
1.3.224.56.1.3	L 14 Albion
1.3.224.56.1.4	L 15 Bulwalk
1.3.224.61	Non-Combatant Ship
1.3.224.61.1	Container class

Field Value	Description
1.3.224.61.1.1	Adi Eu

## 4.2.3.3.4. Subsurface

Field Value	Description
1.4.224	
1.4.224.1	SSBN (Nuclear Ballistic Missiles)
1.4.224.1.1	Vanguard Class
1.4.224.1.1.1	05 Vanguard
1.4.224.1.1.2	06 Victorious
1.4.224.1.1.3	07 Vigilant
1.4.224.1.1.4	08
1.4.224.1.2	Resolution Class
1.4.224.1.2.1	S 22 Resolution
1.4.224.1.2.2	S 23 Repulse
1.4.224.1.2.3	S 26 Renown
1.4.224.1.2.4	S 27 Revenge
1.4.224.3	SSN (Nuclear Attack-Torpedo)
1.4.224.3.1	Trafalgar Class
1.4.224.3.1.1	S 87 Turbulent
1.4.224.3.1.2	S 88 Tireless
1.4.224.3.1.3	S 90 Torbay
1.4.224.3.1.4	S 91 Trenchant
1.4.224.3.1.5	S 92 Talent
1.4.224.3.1.6	S 93 Triumph
1.4.224.3.1.7	S 107 Trafalgar
1.4.224.3.2	Swiftsure Class
1.4.224.3.2.1	S 104 Sceptre
1.4.224.3.2.2	S 105 Spartan
1.4.224.3.2.3	S 106 Splendid
1.4.224.3.2.4	S 108 Sovereign
1.4.224.3.2.5	S 109 Superb
1.4.224.3.3	Valiant Class
1.4.224.3.3.1	S 102 Valiant
1.4.224.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.224.5.1	Upholder class (Type 2400)
1.4.224.5.1.1	S 40 Upholder
1.4.224.5.1.2	S 41 Unseen
1.4.224.5.1.3	S 42 Ursula

Field Value	Description
1.4.224.5.1.4	S 43 Unicorn
1.4.224.5.2	Oberon Class
1.4.224.5.2.1	S 16 Oracle
1.4.224.5.2.2	S 19 Opossum
1.4.224.5.2.3	S 20 Opportune
1.4.224.5.2.60	Onslow (Australia)
1.4.224.5.2.62	Otama (Australia)

#### 4.2.3.3.5. Space

Field Value	Description
1.5.224	
1.5.224.0	Other
1.5.224.1	Manned
1.5.224.2	Unmanned
1.5.224.2.1	Communication satellite
1.5.224.2.1.1	Skynet 4
1.5.224.2.1.2	Skynet 4A
1.5.224.2.1.3	Skynet 4B
1.5.224.2.1.4	Skynet 4C
1.5.224.2.1.5	NATO 4
1.5.224.2.1.6	ECS
1.5.224.2.1.7	Eurostar

#### 4.2.3.4. France Platform

##### 4.2.3.4.1. Land

Field Value	Description
1.1.71	
1.1.71.1	Tank
1.1.71.1.1	AMX-30
1.1.71.1.1.1	AMX-30B2
1.1.71.1.2	AMX-13 Light Tank
1.1.71.1.3	AMX-40 MBT
1.1.71.1.4	Le Clerc

Field Value	Description
1.1.71.2	Armored fighting vehicle
1.1.71.2.1	VBC-90 armored car
1.1.71.2.2	ERC-90 armored car
1.1.71.2.3	AML-90 armored car
1.1.71.2.4	AML-60 armored car
1.1.71.2.5	VAB APC
1.1.71.2.6	AMX-10RC armored car
1.1.71.2.7	AMX-13 IFV
1.1.71.2.8	AMX-10 IFV
1.1.71.2.8.1	with two-rail MILAN anti-tank missile launcher
1.1.71.2.8.2	with HOT: ATGM launcher vehicle
1.1.71.2.9	EBR armored car
1.1.71.2.10	AMX-13 VCI APC
1.1.71.2.11	AMX-13 DCA
1.1.71.2.12	Berliet VXB armored car
1.1.71.2.13	Panhard EBR
1.1.71.3	Armored utility vehicle
1.1.71.3.1	AMX-10 ECH Recovery Vehicle
1.1.71.4	Self-propelled artillery
1.1.71.4.1	A UF1 155-mm Howitzer
1.1.71.4.2	AMX 105-mm Howitzer
1.1.71.4.3	AU-50 105-mm Howitzer
1.1.71.4.4	F-3 155-mm gun
1.1.71.4.5	MM 38 Exocet launcher
1.1.71.4.6	MM 40 Exocet launcher
1.1.71.4.7	Otomat Mk 1 launcher
1.1.71.4.8	Otomat Mk 2/3 launcher
1.1.71.5	Towed artillery
1.1.71.5.1	TR 155-mm Howitzer
1.1.71.6	Small wheeled utility vehicle
1.1.71.7	Large wheeled utility vehicle
1.1.71.8	Small tracked utility vehicle
1.1.71.9	Large tracked utility vehicle
1.1.71.10	Mortar
1.1.71.10.1	120mm Mortar RT-61
1.1.71.11	Mine plow
1.1.71.12	Mine rake
1.1.71.13	Mine roller
1.1.71.14	Cargo trailer



Field Value	Description
1.1.71.14.1	0 - 0.5 ton
1.1.71.14.2	0.51 - 2 ton
1.1.71.14.3	2.01 - 5 ton
1.1.71.14.4	5.02 - 10 ton
1.1.71.14.5	greater than 10 tons
1.1.71.15	Fuel trailer
1.1.71.15.1	1-1000 gallons
1.1.71.15.2	1001 - 5000 gallons
1.1.71.15.3	greater than 5000 gallons
1.1.71.16	Generator trailer
1.1.71.16.1	0 - 100 KW
1.1.71.16.2	greater than 100 KW
1.1.71.17	Water trailer
1.1.71.17.1	1-1000 gallons
1.1.71.17.2	1001- 5000 gallons
1.1.71.17.3	greater than 5000 gallons
1.1.71.18	Engineer equipment
1.1.71.18.1	Mine clearing line charge
1.1.71.18.2	Dozer blade kit
1.1.71.18.3	Lane marking system
1.1.71.19	Heavy equipment transport trailer
1.1.71.20	Maintenance equipment trailer
1.1.71.20.1	Welding trailer
1.1.71.20.2	Compressor
1.1.71.20.3	Tools/parts trailer
1.1.71.21	Limber
1.1.71.22	Chemical decontamination trailer
1.1.71.28	Air Defense / Missile Defense Unit Equipment
1.1.71.28.1	Crotale SAM System
1.1.71.28.1.1	Crotale P4R Missile Firing System
1.1.71.28.1.2	Crotale P4R Radar System
1.1.71.28.2	Crotale NG SAM System
1.1.71.28.3	Shahine SAM System
1.1.71.28.3.1	Shahine Acquisition Radar/AMX-30 chassis
1.1.71.28.3.2	Shahine Launcher/AMX-30 chassis

## 4.2.3.4.2. Air

Field Value	Description
-------------	-------------

Field Value	Description
1.2.71	
1.2.71.1	Fighter/Air Defense
1.2.71.1.1	Mirage F-1
1.2.71.1.1.1	F1-AD
1.2.71.1.1.1.1	F1-AZ
1.2.71.1.1.1.2	F1-B
1.2.71.1.1.1.3	F1-BD
1.2.71.1.1.1.4	F1-BE
1.2.71.1.1.1.5	F1-BJ
1.2.71.1.1.1.6	F1-BK
1.2.71.1.1.1.7	F1-BQ
1.2.71.1.1.1.8	F1-B & E
1.2.71.1.1.1.9	F1-C
1.2.71.1.1.1.10	F1-CE
1.2.71.1.1.1.11	F1-CG
1.2.71.1.1.1.12	F1-CH
1.2.71.1.1.1.13	F1-CJ
1.2.71.1.1.1.14	F1-CK
1.2.71.1.1.1.15	F1-CR-200
1.2.71.1.1.1.16	F1-CZ
1.2.71.1.1.1.17	F1-C-200s
1.2.71.1.1.1.18	F1-DDA
1.2.71.1.1.1.19	F1-ED
1.2.71.1.1.1.20	F1-EDA
1.2.71.1.1.1.21	F1-EE
1.2.71.1.1.1.22	F1-EH
1.2.71.1.1.1.23	F1-EJ
1.2.71.1.1.1.24	F1-EQ
1.2.71.1.1.1.25	F1-JA
1.2.71.1.1.1.26	F1-JE
1.2.71.1.3	Mirage III
1.2.71.1.3.1	Mirage III-D
1.2.71.1.3.2	Mirage III-E
1.2.71.1.4	Mirage 2000
1.2.71.1.4.1	Mirage 2000AD
1.2.71.1.4.2	Mirage 2000BGM
1.2.71.1.4.3	Mirage 2000C
1.2.71.1.4.4	Mirage 2000D
1.2.71.1.4.5	Mirage 2000DAD

Field Value	Description
1.2.71.1.4.6	Mirage 2000DP
1.2.71.1.4.7	Mirage 2000E
1.2.71.1.4.8	Mirage 2000EAD
1.2.71.1.4.9	Mirage 2000EGM
1.2.71.1.4.10	Mirage 2000H (KF-101)
1.2.71.1.4.11	Mirage 2000N
1.2.71.1.4.12	Mirage 2000P
1.2.71.1.4.13	Mirage 2000RAD
1.2.71.1.4.14	Mirage 2000TH (KT-201)
1.2.71.1.4.15	Mirage 2000-5
1.2.71.1.4.16	Vajra (Divine Thunder)
1.2.71.1.5	Dassault Rafale (Squall)
1.2.71.1.5.1	Rafale B
1.2.71.1.5.2	Rafale C
1.2.71.1.5.3	Rafale S-1 Standard
1.2.71.1.5.4	Rafale M
1.2.71.1.6	Mirage 50
1.2.71.1.7	(deleted)
1.2.71.2	Attack/Strike
1.2.71.2.1	Dassault/BAe Jaguar
1.2.71.2.2	Etendard IV-P
1.2.71.2.3	Dassault Super Etendard
1.2.71.2.3.1	Super Etendard
1.2.71.2.4	Dassault/Dornier Alpha Jet
1.2.71.2.4.1	Alpha Jet 2
1.2.71.2.4.2	Alpha Jet E
1.2.71.2.4.3	Alpha Jet A
1.2.71.2.4.4	Alpha Jet 3
1.2.71.2.5	Mirage 5
1.2.71.2.6	(deleted)
1.2.71.2.7	Mirage IV
1.2.71.3	Bomber
1.2.71.3.1	(deleted)
1.2.71.4	Cargo/Tanker
1.2.71.4.1	Transall C-160
1.2.71.4.2	Dassault Mystere-Falcon 50
1.2.71.4.3	T.16 air ambulance.
1.2.71.4.4	Reims F 406 Caravan II
1.2.71.4.4.1	Reims F 406 Vigilante

Field Value	Description
1.2.71.4.5	SECA/Fokker F27 Friendship Arat
1.2.71.4.6	Dassault Mystere-Falcon 20
1.2.71.4.6.1	HU-25 Guardian
1.2.71.5	Antisubmarine/patrol/observation
1.2.71.5.1	Dassault Alantique 2
1.2.71.5.2	Dassault (Breguet) Alize
1.2.71.5.3	Dassault (Breguet) (1050) Atlantic
1.2.71.5.4	Dassault Mystere-Falcon 900
1.2.71.5.4.1	T.18
1.2.71.5.5	Dassault Gardian 2
1.2.71.6	Electronic Warfare (EW)
1.2.71.6.1	Transall C-160
1.2.71.6.2	Dassault (Breguet 1050) Alize
1.2.71.6.3	Dassault Mystere-Falcon 20 (ECM)
1.2.71.7	Reconnaissance
1.2.71.7.1	Dassault Mystere-Falcon 900
1.2.71.7.2	Mirage III
1.2.71.7.2.1	Mirage III-R
1.2.71.7.2.2	Mirage III-R2Z
1.2.71.7.2.3	Mirage III-RD
1.2.71.7.3	Dassault Mystere-Falcon 20SNR
1.2.71.20	Attack Helicopter
1.2.71.20.1	Eurocopter AS 532 Cougar
1.2.71.20.1.1	AS 532AC
1.2.71.20.1.2	AS 532AL
1.2.71.20.2	Eurocopter SA342 Gazelle
1.2.71.20.2.1	SA 342ATAM
1.2.71.20.2.2	SA 342M Viviane
1.2.71.20.3	Eurocopter BO 105/PAH-1/VBH/BSH-1
1.2.71.20.3.1	BO 105 PAH-1A1
1.2.71.21	Utility Helicopter
1.2.71.21.1	Aerospatiale SA 313B Alouette II
1.2.71.21.2	Aerospatiale SA 315B
1.2.71.21.2.1	Cheetah
1.2.71.21.3	Aerospatiale SA 316B Alouette III
1.2.71.21.4	Aerospatiale SA 321 Super Frelon
1.2.71.21.4.1	SA 321H
1.2.71.21.5	Aerospatiale SA 330 Puma
1.2.71.21.5.1	330 Puma

Field Value	Description
1.2.71.21.5.2	332M Super Puma
1.2.71.21.5.3	Super Puma/Puma
1.2.71.21.6	Aerospatiale SA 341 Gazelle
1.2.71.21.6.1	(deleted)
1.2.71.21.6.2	SA 341B
1.2.71.21.6.3	Gazelle HT. Mk 3
1.2.71.21.6.4	Gazelle HCC. Mk4
1.2.71.21.6.5	SA 341 F
1.2.71.21.6.6	SA 341 H
1.2.71.21.7	Eurocopter AS 332L Super Puma MK II and AS 532 Cougar MkII
1.2.71.21.7.1	532U2 Cougar MK II
1.2.71.21.7.2	532A2 Cougar Mk II
1.2.71.21.8	Eurocopter SA 342 Gazelle
1.2.71.21.8.1	(deleted)
1.2.71.21.8.2	SA 342M
1.2.71.21.9	Eurocopter AS 532 Cougar
1.2.71.21.9.1	AS 532UC
1.2.71.21.9.2	(deleted)
1.2.71.21.9.3	AS 532MC
1.2.71.21.9.4	AS 532UL
1.2.71.21.10	Eurocopter AS 565 Panther
1.2.71.21.10.1	AS 365N2 Dauphin 2
1.2.71.21.10.2	AS 565MA
1.2.71.21.11	Eurocopter 365N2 Dauphin 2
1.2.71.21.11.1	AS 366G1 (HH-65A Dolphin)
1.2.71.21.12	Eurocopter BO 105
1.2.71.21.13	Eurocopter AS 350 Ecureuil/Astar and AS 550 Fennec
1.2.71.21.13.1	CH-50
1.2.71.21.13.2	TH-50 Esquilo
1.2.71.21.13.3	HA-1 Esquilo
1.2.71.21.13.4	UH-12 Esquilo
1.2.71.21.13.5	AS 350BA Ecureuil
1.2.71.21.13.6	AS 350B2 Ecureuil
1.2.71.21.13.7	AS 350 B3 Ecureuil
1.2.71.21.13.8	AS 350D Astar
1.2.71.21.13.9	AS 350 Firefighter
1.2.71.21.13.10	AS 550 Fennec
1.2.71.21.13.11	550A2
1.2.71.21.13.12	AS 550C2

Field Value	Description
1.2.71.21.13.13	AS 550M2
1.2.71.21.13.14	AS 550S2
1.2.71.21.14	Eurocopter AS 355 Ecureuil 2 Twinstar and AS 555 Fennec
1.2.71.21.14.1	CH-55
1.2.71.21.14.2	VH-55 Esquilo
1.2.71.21.14.3	UH-12B Esquilo
1.2.71.21.14.4	AS 555UN Fennec
1.2.71.21.14.5	AS 555AN Fennec
1.2.71.21.14.6	AS 555CN Fennec
1.2.71.21.14.7	AS 555MN Fennec
1.2.71.21.14.8	AS 555SN Fennec naval ASW
1.2.71.21.15	Eurocopter AS 365N2 Dauphin 2
1.2.71.21.15.1	AS 366G1 (HH-65A Dolphin)
1.2.71.21.15.2	AS 565 Panther
1.2.71.21.15.3	HM-1
1.2.71.21.15.4	AS 565AA
1.2.71.21.15.5	AS 565CA
1.2.71.21.15.6	AS 565 Panther 807, AS 565MA Panther
1.2.71.21.15.7	(deleted)
1.2.71.21.15.8	AS 565SA Panter
1.2.71.22	Antisubmarine Warfare / Patrol Helicopter
1.2.71.22.1	Aerospatiale SA 319B ASTAZOU
1.2.71.22.2	Aerospatiale SA 321 Super Frelon
1.2.71.22.2.1	AS 32
1.2.71.22.3	Eurocopter AS 532 Cougar
1.2.71.22.3.1	AS 532SC
1.2.71.22.4	Eurocopter AS 565 Panther
1.2.71.22.4.1	AS 565SA
1.2.71.22.4.2	AS 565F (MA)
1.2.71.40	Trainer
1.2.71.40.1	Mudry CAP 10 B
1.2.71.40.2	Socata TB 30 Epsilon
1.2.71.40.3	Socata TB 31 Omega
1.2.71.40.4	SEPECAT Jaguar International
1.2.71.40.4.1	Jaguar GR. Mk 1A
1.2.71.40.5	Dassault Mystere-Falcon 20SNA
1.2.71.57	Non-Combatant Commercial Aircraft
1.2.71.57.1	Passenger Airline
1.2.71.57.1.1	A320 Air Bus

Field Value	Description
1.2.71.57.1.2	Airbus A300
1.2.71.57.1.3	Airbus A310
1.2.71.57.1.4	Airbus A318
1.2.71.57.1.5	Airbus A319
1.2.71.57.1.6	Airbus A321
1.2.71.57.1.7	Airbus A330
1.2.71.57.1.8	Airbus A340
1.2.71.57.1.9	Airbus A380

#### 4.2.3.4.3. Surface

Field Value	Description
1.3.71	
1.3.71.1	Carrier (Porte-Avions)
1.3.71.1.1	Nuclear-Propelled Aircraft Carriers (CVN)
1.3.71.1.1.1	R 91 Charles De Gaulle
1.3.71.1.2	Clemenceau class (CV)
1.3.71.1.2.1	R 98 Clemenceau
1.3.71.1.2.2	R 99 Foch
1.3.71.4	Guided Missile Destroyer (Fregates or Escorteurs D'escadres)
1.3.71.4.1	Georges Leygues Class (Type f 70 (ASW))
1.3.71.4.1.1	D 640 Georges Leygues
1.3.71.4.1.2	D 641 Dupleix
1.3.71.4.1.3	D 642 Montcalm
1.3.71.4.1.4	D 643 Jean de vienne
1.3.71.4.1.5	D 644 Primauguet
1.3.71.4.1.6	D 645 La motte-picquet
1.3.71.4.1.7	D 646 Latouche-treville
1.3.71.4.2	Cassard class (Type F 70 (A/A))
1.3.71.4.2.1	D 614 Cassard
1.3.71.4.2.2	D 615 Jean Bart
1.3.71.4.3	Suffren class
1.3.71.4.3.1	D 602 Suffren
1.3.71.4.3.2	D 603 Duquesne
1.3.71.4.4	Tourville class (Type F 67)
1.3.71.4.4.1	D 610 Tourville
1.3.71.4.4.2	D 611 Duguay-Trouin
1.3.71.4.4.3	D 612 De grasse
1.3.71.4.5	Type F 65 (ASW)

Field Value	Description
1.3.71.4.5.1	D 609 Aconit (ex-F 703)
1.3.71.6	Guided-missile Frigate
1.3.71.6.1	La Fayette class (light frigates)
1.3.71.6.1.1	F 710 Lafayette
1.3.71.6.1.2	F 711 Surcouf
1.3.71.6.1.3	F 712 Courbet
1.3.71.6.2	Floreal class (patrol frigates)
1.3.71.6.2.1	F 730 Floreal
1.3.71.6.2.2	F 731 Prairial
1.3.71.6.2.3	F 732 Nivose
1.3.71.6.2.4	F 733 Ventose
1.3.71.6.2.5	F 734 Vendemiaire
1.3.71.6.2.6	F 735 Germinal
1.3.71.7	Light/patrol craft
1.3.71.7.1	P 400 class (fast attack craft--patrol)
1.3.71.7.1.1	P 682 L'audacieuse
1.3.71.7.1.2	P 683 La boudeuse
1.3.71.7.1.3	P 684 La capricieuse
1.3.71.7.1.4	P 685 La fouguese
1.3.71.7.1.5	P 686 La glorieuse
1.3.71.7.1.6	P 687 La gracieuse
1.3.71.7.1.7	P 688 La moqueuse
1.3.71.7.1.8	P 689 La railleuse
1.3.71.7.1.9	P 690 La rieuse
1.3.71.7.1.10	P 691 La tapageuse
1.3.71.7.1.11	B1 AI Bushra (OMAN)
1.3.71.7.2	Thomson-CSF Type (large patrol craft)
1.3.71.7.2.1	P 696 Iris
1.3.71.7.3	Combattante IIG Class
1.3.71.8	Mine Countermeasure Ship / Craft
1.3.71.8.1	Narvik class (minehunter/sweeper)
1.3.71.8.1.1	M 660 Narvik
1.3.71.8.1.2	Bir Hakeim
1.3.71.8.1.3	Garigliano
1.3.71.8.1.4	Autun
1.3.71.8.1.5	Colmar
1.3.71.8.1.6	Berlaimont
1.3.71.8.2	Eridan (Tripartite) class (minehunters)
1.3.71.8.2.1	M 641 Eridan



Field Value	Description
1.3.71.8.2.2	M 642 Cassiopee
1.3.71.8.2.3	M 643 Andromede
1.3.71.8.2.4	M 644 Pegase
1.3.71.8.2.5	M 645 Orion
1.3.71.8.2.6	M 646 Croix du sud
1.3.71.8.2.7	M 647 Aigle
1.3.71.8.2.8	M 648 Lyre
1.3.71.8.2.9	M 649 Persee
1.3.71.8.3	Circe class (minehunters)
1.3.71.8.3.1	M 712 Cybele
1.3.71.8.3.2	M 713 Calliope
1.3.71.8.3.3	M 714 Clio
1.3.71.8.3.4	M 715 Circe
1.3.71.8.3.5	M 716 Ceres
1.3.71.8.4	ex-US Aggressive class (minesweepers)
1.3.71.8.4.1	M 610 Ouistreham (ex-MSO 513)
1.3.71.8.4.2	M 612 Alencon (ex-MSO 453)
1.3.71.8.4.3	M 623 Baccarat (ex-MSO 505)
1.3.71.8.5	MCM diving support ships
1.3.71.8.5.1	A 613 Acheron
1.3.71.8.5.2	M 611 Vulcain
1.3.71.8.5.3	M 614 Styx
1.3.71.8.5.4	M 622 Pluton
1.3.71.9	Dock Landing Ship
1.3.71.9.1	Foudre class (Type TCD 90)
1.3.71.9.1.1	L 9011 Foudre
1.3.71.9.2	Ouragan class (TCDs)
1.3.71.9.2.1	L 9021 Ouragan
1.3.71.9.2.2	L 9022 Orage
1.3.71.11	Landing Craft
1.3.71.11.1	Bougainville class (BTs)
1.3.71.11.1.1	L 9077 Bougainville
1.3.71.11.2	Batral type (light transports and landing ships)
1.3.71.11.2.1	L 9030 Champlain
1.3.71.11.2.2	L 9031 Francis Garnier
1.3.71.11.2.3	L 9032 Dumont D'urville
1.3.71.11.2.4	L 9033 Jacques Cartier
1.3.71.11.2.5	L 9034 La grandiere
1.3.71.11.3	Edic 700 class (LCT)

Field Value	Description
1.3.71.11.3.1	L 9051
1.3.71.11.3.2	L 9052
1.3.71.11.4	Edic class (LCT)
1.3.71.11.4.1	L 9070
1.3.71.11.4.2	L 9072
1.3.71.11.4.3	L 9074
1.3.71.11.5	CDIC class (LCT)
1.3.71.11.5.1	L 9061
1.3.71.11.5.2	L 9062
1.3.71.11.6	Transport landing ship
1.3.71.11.6.1	L 9090 Gapeau
1.3.71.13	Cruiser/Helicopter Carrier
1.3.71.13.1	Jeanne D'Arc Class (Helo CV)
1.3.71.16	Auxiliary
1.3.71.16.1	BH2 class (Batiments Hydrographiques De 2E class) (oceanographic & survey)
1.3.71.16.1.1	A 791 Laperouse
1.3.71.16.1.2	A 792 Borda
1.3.71.16.1.3	A 793 Laplace
1.3.71.16.1.4	A 795 Arago
1.3.71.16.2	Durance class (underway replenishment tankers)
1.3.71.16.2.1	A 607 Meuse
1.3.71.16.2.2	A 608 Var
1.3.71.16.2.3	A 629 Durance
1.3.71.16.2.4	A 630 Marne
1.3.71.16.2.5	A 631 Somme
1.3.71.16.3	Maintenance and repair ship
1.3.71.16.3.1	A 620 Jules Verne (ex-Acheron)
1.3.71.16.4	Rhin class (depot and support ships)
1.3.71.16.4.1	A 615 Loire
1.3.71.16.4.2	A 617 Garonne
1.3.71.16.4.3	A 618 Rance
1.3.71.16.4.4	A 621 Rhin
1.3.71.16.4.5	A 622 Rhone
1.3.71.16.5	Chamois class (supply tenders)
1.3.71.16.5.1	A 633 Taape
1.3.71.16.5.2	A 767 Chamois
1.3.71.16.5.3	A 768 Elan
1.3.71.16.5.4	A 774 Chevreuil
1.3.71.16.5.5	A 775 Gazelle

Field Value	Description
1.3.71.16.5.6	A 776 Isard
1.3.71.16.5.7	A 779 Tapataï (ex-Silver Fish)
1.3.71.16.6	RR 4000 type (supply tenders)
1.3.71.16.6.1	A 634 Rari
1.3.71.16.6.2	A 635 Revi
1.3.71.16.7	Leopard class (training ships)
1.3.71.16.7.1	A 748 Leopard
1.3.71.16.7.2	A 749 Panthere
1.3.71.16.7.3	A 750 Jaguar
1.3.71.16.7.4	A 751 Lynx
1.3.71.16.7.5	A 752 Guepard
1.3.71.16.7.6	A 753 Chacal
1.3.71.16.7.7	A 754 Tigre
1.3.71.16.7.8	A 755 Lion
1.3.71.17	Auxiliary, Merchant Marine
1.3.71.17.1	Government Maritime Forces
1.3.71.17.1.1	Patra Class (fast patrol craft)
1.3.71.17.1.1.1	P 670 Trident
1.3.71.17.1.1.2	P 671 Glaive
1.3.71.17.1.1.3	P 672 Epee
1.3.71.17.1.1.4	P 673 Pertuisane
1.3.71.17.2	Harbour tugs (Remorqueurs De Port)
1.3.71.17.2.1	105-ton type
1.3.71.17.2.1.1	Y 601 Acajou
1.3.71.17.2.1.2	Y 620 Chataigner
1.3.71.17.2.1.3	Y 623 Charme
1.3.71.17.2.1.4	Y 624 Chene
1.3.71.17.2.1.5	Y 629 Cormier
1.3.71.17.2.1.6	Y 644 Frene
1.3.71.17.2.1.7	Y 654 Hetre
1.3.71.17.2.1.8	Y 655 Hevea
1.3.71.17.2.1.9	Y 663 Latanier
1.3.71.17.2.1.10	Y 666 Manguier
1.3.71.17.2.1.11	Y 668 Meleze
1.3.71.17.2.1.12	Y 669 Merisier
1.3.71.17.2.1.13	Y 686 Paletuvier
1.3.71.17.2.1.14	Y 688 Peuplier
1.3.71.17.2.1.15	Y 689 Pin
1.3.71.17.2.1.16	Y 695 Platane

Field Value	Description
1.3.71.17.2.1.17	Y 708 Saule
1.3.71.17.2.1.18	Y 709 Sycomore
1.3.71.17.2.1.19	Y 717 Ebene
1.3.71.17.2.1.20	Y 718 Erable
1.3.71.17.2.1.21	Y 719 Olivier
1.3.71.17.2.1.22	Y 720 Santal
1.3.71.17.2.1.23	Y 738 Maronnier
1.3.71.17.2.1.24	Y 739 Noyer
1.3.71.17.2.1.25	Y 740 Papayer
1.3.71.17.2.2	93-ton type
1.3.71.17.2.2.1	Y 630 Bonite
1.3.71.17.2.2.2	Y 634 Rouget
1.3.71.17.2.3	65-ton type
1.3.71.17.2.3.1	Y 611 Bengali
1.3.71.17.2.3.2	Y 617 Mouette
1.3.71.17.2.3.3	Y 621 Mesange
1.3.71.17.2.3.4	Y 625 Cigogne
1.3.71.17.2.3.5	Y 628 Colibri
1.3.71.17.2.3.6	Y 632 Cygne
1.3.71.17.2.3.7	Y 636 Martinet
1.3.71.17.2.3.8	Y 637 Fauvette
1.3.71.17.2.3.9	Y 648 Goeland
1.3.71.17.2.3.10	Y 670 Merle
1.3.71.17.2.3.11	Y 673 Moineau
1.3.71.17.2.3.12	Y 675 Martin Pecheur
1.3.71.17.2.3.13	Y 687 Passereau
1.3.71.17.2.3.14	Y 691 Pinson
1.3.71.17.2.3.15	Y 694 Pivert
1.3.71.17.2.3.16	Y 721 Alouette
1.3.71.17.2.3.17	Y 722 Vanneau
1.3.71.17.2.3.18	Y 723 Engoulevent
1.3.71.17.2.3.19	Y 724 Sarcelle
1.3.71.17.2.3.20	Y 725 Marabout
1.3.71.17.2.3.21	Y 726 Toucan
1.3.71.17.2.3.22	Y 727 Macreuse
1.3.71.17.2.3.23	Y 728 Grand Duc
1.3.71.17.2.3.24	Y 729 Eider
1.3.71.17.2.3.25	Y 730 Ara
1.3.71.17.2.3.26	Y 747 Lorient

Field Value	Description
1.3.71.17.2.3.27	Y 748 Gelinotte
1.3.71.50	Frigate
1.3.71.50.1	D'estienne D'orves (Type A 69) class
1.3.71.50.1.1	F 781 D'estienne D'orves
1.3.71.50.1.2	F 782 Amyot d'inville
1.3.71.50.1.3	F 783 Drogou
1.3.71.50.1.4	F 784 Detroyat
1.3.71.50.1.5	F 785 Jean Moulin
1.3.71.50.1.6	F 786 Quartier Maitre Anquetil
1.3.71.50.1.7	F 787 Commandant de Pimodan
1.3.71.50.1.8	F 788 Second Maitre Le Bihan
1.3.71.50.1.9	F 789 Lieutenant De Vaisseau Le Henaff
1.3.71.50.1.10	F 790 Lieutenant De Vaisseau Lavallee
1.3.71.50.1.11	F 791 Commandant L'herminier
1.3.71.50.1.12	F 792 Premier Maitre L'her
1.3.71.50.1.13	F 793 Commandant Blaison
1.3.71.50.1.14	F 794 Enseigne De Vaisseau Jacoubet
1.3.71.50.1.15	F 795 Commandant Ducuing
1.3.71.50.1.16	F 796 Commandant Birot
1.3.71.50.1.17	F 797 Commandant Bouan
1.3.71.50.2	Commandant Riviere class (Avisos Escorteurs)
1.3.71.50.2.1	F 726 Commandant Bory
1.3.71.50.2.2	F 729 Balny
1.3.71.50.2.3	F 749 Enseigne de Vaisseau Henry
1.3.71.61	Non-Combatant Ship
1.3.71.61.1	Container class
1.3.71.61.1.1	Descrates
1.3.71.61.2	Tanker class
1.3.71.61.2.1	Athos

#### 4.2.3.4.4. Subsurface

Field Value	Description
1.4.71	
1.4.71.1	SSBN (Nuclear Ballistic Missile)
1.4.71.1.1	Le Triomphant class (SNLE-NG)
1.4.71.1.1.1	S 616 Le triomphant
1.4.71.1.1.2	S 617 Le temeraire
1.4.71.1.1.3	S 618

Field Value	Description
1.4.71.2	SSGN (Nuclear Guided Missile)
1.4.71.2.1	L'inflexible class (SNLE)
1.4.71.2.1.1	S 610 Le foudroyant
1.4.71.2.1.2	S 612 Le terrible
1.4.71.2.1.3	S 613 L'indomptable
1.4.71.2.1.4	S 614 Le tonnant
1.4.71.2.1.5	S 615 L'inflexible
1.4.71.3	SSN (Nuclear Attack Ballistic Missile) (Sous-Marins Nucleaires D'attaque (SNA))
1.4.71.3.1	Rubis Class (SNA 72)
1.4.71.3.1.1	S 601 Rubis
1.4.71.3.1.2	S 602 Saphir
1.4.71.3.1.3	S 603 Casabianca
1.4.71.3.1.4	S 604 Emeraude
1.4.71.3.1.5	S 605 Amethyste
1.4.71.3.1.6	S 606 Perle
1.4.71.3.1.7	S 607 Turquoise
1.4.71.5	SS (Conventional Attack-Torpedo, Patrol) (Sous-Marins D'attaque)
1.4.71.5.1	Agosta Class
1.4.71.5.1.1	S 620 Agosta
1.4.71.5.1.2	S 621 Beveziers
1.4.71.5.1.3	S 622 La praya
1.4.71.5.1.4	S 623 Ouessant
1.4.71.5.2	Daphne Class
1.4.71.5.2.1	S 643 Doris
1.4.71.5.2.2	S 648 Jun
1.4.71.5.2.3	S 650 Psyche
1.4.71.5.2.4	S 651 Sirene

#### 4.2.3.4.5. Space

Field Value	Description
1.5.71	
1.5.71.0	Other
1.5.71.1	Manned
1.5.71.1.6	Space Plane
1.5.71.1.6.1	Hermes
1.5.71.2	Unmanned
1.5.71.2.1	Communication satellite

Field Value	Description
1.5.71.2.1.1	Telecom
1.5.71.2.1.2	Hispasat
1.5.71.2.1.3	Eutelsat
1.5.71.2.1.4	Turksat
1.5.71.2.1.6	Argos
1.5.71.2.1.7	S80/T
1.5.71.2.1.8	Arsene
1.5.71.2.1.9	Syracuse
1.5.71.2.2	Navigation satellite
1.5.71.2.4	Electronic Intelligence satellite
1.5.71.2.4.1	Cerise
1.5.71.2.7	Imaging Radar surveillance satellite
1.5.71.2.7.1	Helios
1.5.71.2.7.2	Osiris SAR
1.5.71.2.8	Optical imaging surveillance satellite
1.5.71.2.8.1	Syracuse 3
1.5.71.2.13	Science satellite
1.5.71.2.13.1	Hipparcos
1.5.71.2.13.2	Titan
1.5.71.2.13.3	Topex/Poseidon
1.5.71.2.13.4	Starlette
1.5.71.2.13.5	SRAT 2
1.5.71.2.14	Survey satellite
1.5.71.2.14.1	Stella
1.5.71.3	Booster
1.5.71.3.1	Ariane

#### 4.2.3.5. Germany Platform

##### 4.2.3.5.1. Land

Field Value	Description
1.1.78	
1.1.78.1	Tank
1.1.78.1.1	Leopard 1 MBT
1.1.78.1.1.1	A1
1.1.78.1.1.2	A2

Field Value	Description
1.1.78.1.1.3	A3
1.1.78.1.1.4	A4
1.1.78.1.1.5	A5
1.1.78.1.2	Leopard 2 MBT
1.1.78.1.3	Leopard 2 (improved) MBT
1.1.78.1.3.1	(S) Stridsfordon 122
1.1.78.2	Armored Fighting Vehicle
1.1.78.2.1	Marder 1 A3
1.1.78.2.2	Marder 2
1.1.78.2.3	BMP 1
1.1.78.2.4	Jaguar 1 tank destroyer, missile
1.1.78.2.5	Jaguar 2
1.1.78.2.6	Luchs armored reconnaissance vehicle
1.1.78.2.7	Zobel armored reconnaissance vehicle
1.1.78.2.8	(deleted)
1.1.78.2.9	(deleted)
1.1.78.2.10	Wiesel
1.1.78.2.10.1	Wiesel with 20mm
1.1.78.2.10.2	Wiesel with TOW
1.1.78.3	Armored Utility Vehicle
1.1.78.3.1	Biber armored bridge layer
1.1.78.3.2	Dachs armored engineer tank
1.1.78.3.3	Keiler armored minesweeper
1.1.78.3.4	Skorpion armored minelayer
1.1.78.3.5	(deleted)
1.1.78.3.6	M113 armored motor-ambulance
1.1.78.3.7	M113 armored artillery observer
1.1.78.3.8	Transportpanzer 1 "Fuchs"
1.1.78.3.9	Buffel ARV
1.1.78.4	Self-propelled Artillery
1.1.78.4.1	Panzerhaubitze 2000
1.1.78.5	Towed Artillery
1.1.78.5.1	(deleted)
1.1.78.6	Small Wheeled Utility Vehicle (0 - 1.25 tons)
1.1.78.6.1	Mercedez Benz (240 GD)
1.1.78.7	Large Wheeled Utility Vehicle (greater than 1.25 tons)
1.1.78.7.1	IVECO Magirus 110-16 AWM (4x4) 5000kg truck (aka 168M11FAL)
1.1.78.7.2	MAN 5 ton
1.1.78.7.3	MAN 7 ton



Field Value	Description
1.1.78.7.4	MAN 10 ton
1.1.78.10	Mortar
1.1.78.10.1	M113 armored mortar
1.1.78.11	Mine plow
1.1.78.12	Mine rake
1.1.78.13	Mine roller
1.1.78.14	Cargo trailer
1.1.78.14.1	0 - 0.5 ton
1.1.78.14.2	0.51 - 2 ton
1.1.78.14.3	2.01 - 5 ton
1.1.78.14.4	5.02 - 10 ton
1.1.78.14.5	greater than 10 tons
1.1.78.15	Fuel trailer
1.1.78.15.1	1-1000 gallons
1.1.78.15.2	1001 - 5000 gallons
1.1.78.15.3	greater than 5000 gallons
1.1.78.16	Generator trailer
1.1.78.16.1	0 - 100 KW
1.1.78.16.2	greater than 100 KW
1.1.78.17	Water trailer
1.1.78.17.1	1-1000 gallons
1.1.78.17.2	1001- 5000 gallons
1.1.78.17.3	greater than 5000 gallons
1.1.78.18	Engineer equipment
1.1.78.18.1	Mine clearing line charge
1.1.78.18.2	Dozer blade kit
1.1.78.18.3	Lane marking system
1.1.78.19	Heavy equipment transport trailer
1.1.78.20	Maintenance equipment trailer
1.1.78.20.1	Welding trailer
1.1.78.20.2	Compressor
1.1.78.20.3	Tools/parts trailer
1.1.78.21	Limber
1.1.78.22	Chemical decontamination trailer
1.1.78.27	Civilian Vehicle
1.1.78.27.1	Truck
1.1.78.27.2	Bus
1.1.78.27.3	Car
1.1.78.28	Air Defense/Missile Defense Unit Equipment

Field Value	Description
1.1.78.28.1	Self-Propelled VSHORAD Gun/Missile System
1.1.78.28.1.1	Roland AD System missile
1.1.78.28.1.2	Gepard armored AD gun
1.1.78.28.2	Towed VSHORAD Gun / Missile System
1.1.78.28.2.1	Rheinmetal 20mm twin Rh202

## 4.2.3.5.2. Air

Field Value	Description
1.2.78	
1.2.78.1	Fighter/Air Defense
1.2.78.1.1	(deleted)
1.2.78.1.2	(deleted)
1.2.78.1.3	(deleted)
1.2.78.1.4	EFM (Enhanced Fighter Maneuverability) X-31A
1.2.78.2	Attack/Strike
1.2.78.2.1	Dassault/Dornier Alpha Jet
1.2.78.2.1.1	Alpha Jet E trainer/attack
1.2.78.2.1.2	Alpha Jet MS1
1.2.78.2.1.3	Alpha Jet A
1.2.78.2.1.4	Alpha Jet MS2
1.2.78.2.1.5	Alpha Jet 2
1.2.78.2.2	Panavia Tornado IDS
1.2.78.2.2.1	Tornado IDS GR. Mk 1
1.2.78.2.2.2	Tornado IDS GR. 1A
1.2.78.2.2.3	Tornado IDS GR. 4
1.2.78.6	Electronic Warfare (EW)
1.2.78.6.1	Panavia Tornado ECR
1.2.78.8	Surveillance/C2
1.2.78.8.1	Transall C-160
1.2.78.8.1.1	C-160S. Maritime
1.2.78.8.1.2	C-160SE. Electronic
1.2.78.8.1.3	C-160AAA AEW
1.2.78.8.2	Egrett II
1.2.78.8.2.1	Strato 1
1.2.78.20	Attack Helicopter
1.2.78.20.1	Eurocopter BO 105/PAH-1/VBH/BSH-1
1.2.78.20.1.1	PAH-1
1.2.78.20.1.2	PAH-1A1

Field Value	Description
1.2.78.20.1.3	BSH
1.2.78.20.1.4	(deleted)
1.2.78.20.1.5	(deleted)
1.2.78.20.1.6	(deleted)
1.2.78.20.1.7	Hkp 9
1.2.78.20.2	Eurocopter Tigre
1.2.78.20.2.1	PAH-2
1.2.78.20.2.2	HAC
1.2.78.20.2.3	HAP
1.2.78.21	Utility Helicopter
1.2.78.21.1	NH 90
1.2.78.21.1.1	TTH 90 medium helicopter
1.2.78.21.2	(deleted)
1.2.78.21.3	(deleted)
1.2.78.21.4	(deleted)
1.2.78.21.5	(deleted)
1.2.78.21.6	Eurocopter BO 105
1.2.78.21.6.1	BO 105CB
1.2.78.21.6.2	BO 105CBS
1.2.78.21.7	Eurocopter/Kawasaki BK 117
1.2.78.21.7.1	BK 117 M
1.2.78.21.7.2	NBK-117
1.2.78.22	Antisubmarine Warfare / Patrol Helicopter
1.2.78.22.1	NH 90
1.2.78.22.2	NFH 90
1.2.78.40	Trainer
1.2.78.40.1	Dassault/Dornier Alpha Jet
1.2.78.40.1.1	Alpha Jet E
1.2.78.40.1.2	Alpha Jet 3

#### 4.2.3.5.3. Surface

Field Value	Description
1.3.78	
1.3.78.4	Guided Missile Destroyer
1.3.78.4.1	Ex-US Modified Charles F. Adams class (type 103B) (DDGs)
1.3.78.4.1.1	D 185 Lutjens (ex-US DDG 28)
1.3.78.4.1.2	D 186 Molders (ex-US DDG 29)
1.3.78.4.1.3	D 187 Rommel (ex-US DDG 30)

Field Value	Description
1.3.78.5	Destroyer
1.3.78.5.1	(deleted)
1.3.78.5.2	Hamburg class (Type 101A)
1.3.78.5.2.1	(deleted)
1.3.78.5.2.2	D 182 Schleswig-Holstein
1.3.78.6	Guided Missile Frigate
1.3.78.6.1	Brandenburg class (Type 123)
1.3.78.6.1.1	F 215 Brandenburg
1.3.78.6.1.2	F 216 Schleswig-Holstein
1.3.78.6.1.3	F 217 Bayern
1.3.78.6.1.4	F 218 Mecklenburg-Vorpommern
1.3.78.6.2	Bremen class (Type 122)
1.3.78.6.2.1	F 207 Bremen
1.3.78.6.2.2	F 208 Niedersachsen
1.3.78.6.2.3	F 209 Rheinland-Pfalz
1.3.78.6.2.4	F 210 Emden
1.3.78.6.2.5	F 211 Koln
1.3.78.6.2.6	F 212 Karlsruhe
1.3.78.6.2.7	F 213 Augsburg
1.3.78.6.2.8	F 214 Lubeck
1.3.78.6.3	Sachsen Class (Type 124) (FFG)
1.3.78.6.3.1	F219 Sachsen
1.3.78.6.3.2	F220 Hamburg
1.3.78.6.3.3	F221 Hessen
1.3.78.7	Light/patrol craft
1.3.78.7.1	Gepard class (type 143 A) (fast attack craft, missile)
1.3.78.7.1.1	P 6121 Gepard
1.3.78.7.1.2	P 6122 Puma
1.3.78.7.1.3	P 6123 Hermelin
1.3.78.7.1.4	P 6124 Nerz
1.3.78.7.1.5	P 6125 Zobel
1.3.78.7.1.6	P 6126 Frettechen
1.3.78.7.1.7	P 6127 Dachs
1.3.78.7.1.8	P 6128 Ozelot
1.3.78.7.1.9	P 6129 Wiesel
1.3.78.7.1.10	P 6130 Hyane
1.3.78.7.2	Albatros class (type 143/143B) (fast attack craft, missile)
1.3.78.7.2.1	P 6111 Albatros
1.3.78.7.2.2	P 6122 Falke

Field Value	Description
1.3.78.7.2.3	P 6113 Geier
1.3.78.7.2.4	P 6114 Bussard
1.3.78.7.2.5	P 6115 Sperber
1.3.78.7.2.6	P 6116 Greif
1.3.78.7.2.7	P 6117 Kondor
1.3.78.7.2.8	P 6118 Seeadler
1.3.78.7.2.9	P 6119 Habicht
1.3.78.7.2.10	P 6120 Kormoran
1.3.78.7.3	Tiger class (type 148) (fast attack craft, missile)
1.3.78.7.3.1	P 6141 Tiger
1.3.78.7.3.2	P 6142 Iltis
1.3.78.7.3.3	P 6143 Luchs
1.3.78.7.3.4	P 6144 Marder
1.3.78.7.3.5	P 6145 Leopard
1.3.78.7.3.6	P 6146 Fuchs
1.3.78.7.3.7	P 6147 Jaguar
1.3.78.7.3.8	P 6148 Lowe
1.3.78.7.3.9	P 6149 Wolf
1.3.78.7.3.10	P 6150 Panther
1.3.78.7.3.11	P 6151 Hafer
1.3.78.7.3.12	P 6152 Storch
1.3.78.7.3.13	P 6153 Pelikan
1.3.78.7.3.14	P 6154 Elster
1.3.78.7.3.15	P 6155 Alk
1.3.78.7.3.16	P 6156 Dommel
1.3.78.7.3.17	P 6157 Weihe
1.3.78.7.3.18	P 6158 Pinguin
1.3.78.7.3.19	P 6159 Reiher
1.3.78.7.3.20	P 6160 Kranich
1.3.78.7.4	Bredstedt class (large patrol craft, Coast Guard vessels)
1.3.78.7.4.1	BG 21 Bredstedt
1.3.78.7.5	Sassnitz class (Coast Guard vessels)
1.3.78.7.5.1	Sassnitz (ex-P 6165, ex-591)
1.3.78.7.5.2	Sellin (ex-592)
1.3.78.7.5.3	Binz (ex-593)
1.3.78.7.6	Neustadt class (large patrol craft, Coast Guard vessels)
1.3.78.7.6.1	BG 11 Neustadt
1.3.78.7.6.2	BG 12 Bad Bramstedt
1.3.78.7.6.3	BG 14 Duderstadt

Field Value	Description
1.3.78.7.6.4	BG 15 Eschwege
1.3.78.7.6.5	BG 16 Alsfeld
1.3.78.7.6.6	BG 17 Bayreuth
1.3.78.7.6.7	BG 18 Rosenheim
1.3.78.7.7	Bremse class (harbor patrol craft, Coast Guard vessels)
1.3.78.7.7.1	GS 23
1.3.78.7.7.2	GS 30
1.3.78.7.7.3	GS 31
1.3.78.7.7.4	GS 32
1.3.78.7.7.5	GS 40
1.3.78.7.7.6	GS 41
1.3.78.7.7.7	GS 42
1.3.78.7.7.8	GS 51
1.3.78.7.7.9	GS 52
1.3.78.8	Mine Countermeasure Ship / Craft
1.3.78.8.1	Schutze class (type 340-341, minesweepers, coastal)
1.3.78.8.1.1	M 1059 Spica
1.3.78.8.1.2	M 1062 Schutze
1.3.78.8.1.3	M 1063 Waage
1.3.78.8.2	Lindau class (coastal minesweepers and minehunters: type 331, minehunters; and type 351, Troika)
1.3.78.8.2.1	M 1070 Gottingen
1.3.78.8.2.2	M 1071 Koblenz
1.3.78.8.2.3	M 1072 Lindau
1.3.78.8.2.4	M 1073 Schleswig
1.3.78.8.2.5	M 1074 Tübingen
1.3.78.8.2.6	M 1075 Wetzlar
1.3.78.8.2.7	M 1076 Paderborn
1.3.78.8.2.8	M 1077 Weilheim
1.3.78.8.2.9	M 1078 Cuxhaven
1.3.78.8.2.10	M 1079 Duren
1.3.78.8.2.11	M 1080 Marburg
1.3.78.8.2.12	M 1081 Konstanz
1.3.78.8.2.13	M 1082 Wolfsburg
1.3.78.8.2.14	M 1083 Ulm
1.3.78.8.2.15	M 1085 Minden
1.3.78.8.3	Kondor II class (minesweeper, coastal)
1.3.78.8.3.1	M2670 Sommerda (ex-311)
1.3.78.8.4	Frauenlob class (type 394 minesweepers, inshore)

Field Value	Description
1.3.78.8.4.1	M 2658 Frauenlob
1.3.78.8.4.2	M 2659 Nautilus
1.3.78.8.4.3	M 2660 Gefion
1.3.78.8.4.4	M 2661 Medusa
1.3.78.8.4.5	M 2662 Undine
1.3.78.8.4.6	M 2663 Minerva
1.3.78.8.4.7	M 2664 Diana
1.3.78.8.4.8	M 2665 Loreley
1.3.78.8.4.9	M 2666 Atlantis
1.3.78.8.4.10	M 2667
1.3.78.8.5	Ariadne Class (Type 393 minesweepers, inshore)
1.3.78.8.5.1	M 2651 Freya
1.3.78.8.5.2	M 2653 Hertha
1.3.78.8.5.3	M 2654 Nympe
1.3.78.8.5.4	M 2655 Hertha
1.3.78.8.6	Frankenthal class (type 332 minehunters, coastal)
1.3.78.8.6.1	M 1060 Weiden
1.3.78.8.6.2	M 1061 Rottweil
1.3.78.8.6.3	M 1062 Sulzbach-Rosenberg
1.3.78.8.6.4	M 1063 Bad Bevensen
1.3.78.8.6.5	M 1064 Gromitz
1.3.78.8.6.6	M 1065 Dillingen
1.3.78.8.6.7	M 1066 Frankenthal
1.3.78.8.6.8	M 1067 Bad Rappenau
1.3.78.8.6.9	M 1068 Datteln
1.3.78.8.6.10	M 1069 Homburg
1.3.78.8.7	Hameln class (type 343 minesweepers, coastal)
1.3.78.8.7.1	M 1090 Pegnitz
1.3.78.8.7.2	M 1091 Kulmbach
1.3.78.8.7.3	M 1092 Hameln
1.3.78.8.7.4	M 1093 Auerbach
1.3.78.8.7.5	M 1094 Ensdorf
1.3.78.8.7.6	M 1095 Uberherrn
1.3.78.8.7.7	M 1096 Passau
1.3.78.8.7.8	M 1097 Laboe
1.3.78.8.7.9	M 1098 Siegburg
1.3.78.8.7.10	M 1099 Herten
1.3.78.8.8	Trials ship (type 740, ex-minesweeper)
1.3.78.8.8.1	A 1400 Holnis (ex-A 836)

Field Value	Description
1.3.78.8.9	Schutze class (type 732, diver-support ship)
1.3.78.8.9.1	M 1053 Stier (ex-Y 849)
1.3.78.8.10	Sachsenwald class (type 762, mine transport)
1.3.78.8.10.1	A 1438 Steigerwald
1.3.78.8.11	Kondor I class (minesweeper/patrol craft; Coast Guard vessels)
1.3.78.8.11.1	BG 31 Templin (ex-GS 06, ex-G 442)
1.3.78.8.11.2	BG 32 Kuhlungsborn (ex-GS 07, ex-G 445)
1.3.78.8.11.3	BG 33 Ahrenshoop (ex-GS 08, ex-G 415)
1.3.78.8.11.4	GS 01 Uckermunde (ex-G 411)
1.3.78.8.11.5	GS 02 Demmin (ex-G 422)
1.3.78.8.11.6	GS 03 Malchin (ex-G 441)
1.3.78.8.11.7	GS 04 Altentreptow (ex-G 414)
1.3.78.8.11.8	GS 05 Pasewalk (ex-G 423)
1.3.78.8.11.9	GS 09 Boltenhagen (ex-G 443)
1.3.78.8.12	Seehund (Minesweepers - Drones)(MSD)
1.3.78.11	Landing Craft
1.3.78.11.1	Type 521 (LCMs)
1.3.78.11.1.1	LCM 12 Sprotte
1.3.78.11.1.2	LCM 13 Sardine
1.3.78.11.1.3	LCM 14 Sardelle
1.3.78.11.1.4	LCM 15 Hering
1.3.78.11.1.5	LCM 16 Orfe
1.3.78.11.1.6	LCM 17 Marane
1.3.78.11.1.7	LCM 18 Saibling
1.3.78.11.1.8	LCM 19 Stint
1.3.78.11.1.9	LCM 20 Aesche
1.3.78.11.1.10	L 780 Hummer
1.3.78.11.1.11	L 781 Krill
1.3.78.11.1.12	L 782 Krabbe
1.3.78.11.1.13	L 783 Auster
1.3.78.11.1.14	L 784 Muschel
1.3.78.11.1.15	L 785 Koralle
1.3.78.11.1.16	L 786 Garnele
1.3.78.11.1.17	L 787 Languste
1.3.78.11.2	Type 520 (LCUs)
1.3.78.11.2.1	L 760 Flunder
1.3.78.11.2.2	L 761 Karpfen
1.3.78.11.2.3	L 762 Lachs
1.3.78.11.2.4	L 763 Plotze



Field Value	Description
1.3.78.11.2.5	L 766 Stor
1.3.78.11.2.6	L 767 Tumbler
1.3.78.11.2.7	L 768 Wels
1.3.78.11.2.8	L 769 Zander
1.3.78.11.2.9	L 788 Butt
1.3.78.11.2.10	L 795 Inger
1.3.78.11.3	Mannheim 59 class (river landing craft, LCMs)
1.3.78.11.4	Bodan class (river landing craft, LCMs)
1.3.78.16	Auxiliary
1.3.78.16.1	Elbe class (type 404, tenders)
1.3.78.16.1.1	A 511 Elbe
1.3.78.16.1.2	A 512 Mosel
1.3.78.16.1.3	A 513 Rhein
1.3.78.16.1.4	A 514 Werra
1.3.78.16.1.5	A 515 Main
1.3.78.16.1.6	A 516 Donau
1.3.78.16.2	Rhein class (type 401, tenders)
1.3.78.16.2.1	A 58 Rhein
1.3.78.16.2.2	A 61 Elbe
1.3.78.16.2.3	A 63 Main
1.3.78.16.2.4	A 69 Donau
1.3.78.16.3	Replenishment tankers (type 704)
1.3.78.16.3.1	A 1442 Spessart (ex-Okapi)
1.3.78.16.3.2	A 1443 Rhon (ex-Okene)
1.3.78.16.4	Walchensee class (type 703, replenishment tankers)
1.3.78.16.4.1	A 1424 Walchensee
1.3.78.16.4.2	A 1425 Ammersee
1.3.78.16.4.3	A 1426 Tegernsee
1.3.78.16.4.4	A 1427 Westensee
1.3.78.16.5	Type 763 (support tanker)
1.3.78.16.5.1	A 1407 Wittensee (ex-Sioux)
1.3.78.16.6	Luneburg class (type 701, support ships)
1.3.78.16.6.1	A 1411 Luneburg
1.3.78.16.6.2	A 1413 Freiburg
1.3.78.16.6.3	A 1414 Glucksburg
1.3.78.16.6.4	A 1415 Saarburg
1.3.78.16.6.5	A 1416 Nienburg
1.3.78.16.6.6	A 1417 Offenburg
1.3.78.16.6.7	A 1418 Meersburg

Field Value	Description
1.3.78.16.7	Westerwald class (type 760, ammunition, transports)
1.3.78.16.7.1	A 1435 Westerwald
1.3.78.16.7.2	A 1436 Odenwald
1.3.78.16.8	Towing launches (type 946)
1.3.78.16.8.1	AK 1 Y 1671
1.3.78.16.8.2	AK 3 Y 1672
1.3.78.16.8.3	MA 2 Y 1676
1.3.78.16.8.4	MA 3 Y 1677
1.3.78.16.8.5	Borby Y 1687
1.3.78.16.9	Oste Class (type 423, AGI)
1.3.78.16.9.1	A 50 Alster
1.3.78.16.9.2	A 52 Oste
1.3.78.16.9.3	A 53 Oker
1.3.78.16.10	Trials ship (type 742)
1.3.78.16.10.1	A 1410 Walther Von Ledebr (ex-Y 841)
1.3.78.16.11	Research ship (type 750)
1.3.78.16.11.1	A 1450 Planet
1.3.78.16.12	Trials ship (type 741)
1.3.78.16.12.1	A 1408 SP 1 (ex-A 837)
1.3.78.16.12.2	A 1409 Wilhelm Pullwer (ex-Y 838)
1.3.78.16.13	Diving tender (type 732)
1.3.78.16.13.1	M 1050 TB1
1.3.78.16.14	Helgoland class (type 720, salvage tugs)
1.3.78.16.14.1	A 1457 Helgoland
1.3.78.16.14.2	A 1458 Fehmarn
1.3.78.16.15	Wangerooze class (type 722, type 754; tugs)
1.3.78.16.15.1	A 1439 Baltrum
1.3.78.16.15.2	A 1440 Juist
1.3.78.16.15.3	A 1441 Langeoog
1.3.78.16.15.4	A 1451 Wangerooze
1.3.78.16.15.5	A 1452 Spiekeroog
1.3.78.16.15.6	A 1455 Roderney
1.3.78.16.16	Berlin Class (Type 702)(AOR)
1.3.78.16.16.1	A1411 Berlin
1.3.78.17	Auxiliary, Merchant Marine
1.3.78.17.1	Harbor tugs (type 724)
1.3.78.17.1.1	Y 820 Sylt
1.3.78.17.1.2	Y 821 Fohr
1.3.78.17.1.3	Y 822 Amrum

Field Value	Description
1.3.78.17.1.4	Y 823 Neuwerk
1.3.78.17.1.5	Y 1680 Neuende
1.3.78.17.1.6	Y 1681 Heppens
1.3.78.17.1.7	Y 1682 Ellerbek
1.3.78.17.2	Harbor tugs (type 725)
1.3.78.17.2.1	Y 812 Lutjehorn
1.3.78.17.2.2	Y 814 Knechtsand
1.3.78.17.2.3	Y 815 Scharhorn
1.3.78.17.2.4	Y 816 Vogelsand
1.3.78.17.2.5	Y 817 Rdstrand
1.3.78.17.2.6	Y 819 Langeness
1.3.78.17.3	Harbor tugs (type 414)
1.3.78.17.3.1	Koos (ex-Delphin)
1.3.78.17.3.2	Wustrow (ex-Zander)
1.3.78.17.3.3	Drankse (ex-Kormoran)
1.3.78.17.3.4	Y 1651 (ex-A 08)
1.3.78.17.3.5	Y 1656 (ex-A 45)
1.3.78.17.3.6	Y 1658 (ex-A 68)
1.3.78.17.4	Icebreaking tug (type 724; Coast Guard vessels)
1.3.78.17.4.1	BG 5 Retin
1.3.78.18	Utility
1.3.78.18.1	Gustav Konigs class (harbor tankers)
1.3.78.18.1.1	Y 1652 Kolpinsee (ex-C 11)
1.3.78.18.1.2	Y 1657 Fleesensee (ex-C 40)
1.3.78.18.2	Ohre class (accommodation ships)
1.3.78.18.2.1	Y 890 Vogtland (ex-H 71)
1.3.78.18.2.2	Y 891 Altmark (ex-H 11)
1.3.78.18.2.3	Y 892 Havelland (ex-H 51)
1.3.78.18.2.4	Y 893 Uckermark (ex-H 91)
1.3.78.18.2.5	Y 894 Borde (ex-H 72)
1.3.78.18.2.6	Y 895 Wische (ex-H 31)
1.3.78.18.3	Type 705 (water boats)
1.3.78.18.3.1	FW 1 A 1403 (ex-Y 864)
1.3.78.18.3.2	FW 5 A 1405 (ex-Y 868)
1.3.78.18.4	Knurrhahn Class (type 730, accommodation ship)
1.3.78.18.4.1	Y 811 Knurrhahn
1.3.78.18.5	Battery-charging craft (type 718)
1.3.78.18.5.1	LP 1
1.3.78.18.5.2	LP 2

Field Value	Description
1.3.78.18.5.3	Y 1690 LP 3
1.3.78.18.6	Schwedeneck class (type 748, multipurpose)
1.3.78.18.6.1	Y 860 Schwedeneck
1.3.78.18.6.2	Y 861 Kronsart
1.3.78.18.6.3	Y 862 Helmsand
1.3.78.18.7	Stollergrund class (type 745, multipurpose)
1.3.78.18.7.1	Y 863 Stollergrund
1.3.78.18.7.2	Y 864 Mittelgrund
1.3.78.18.7.3	Y 865 Kalkgrund
1.3.78.18.7.4	Y 866 Breitgrund
1.3.78.18.7.5	Y 867 Bant
1.3.78.18.8	Trials ship (type 740)
1.3.78.18.8.1	Y 871 Heinz Roggenkamp
1.3.78.18.9	Floating docks (types 712-715) and cranes (type 711)
1.3.78.18.9.1	A Y 842 Schwimmdocks
1.3.78.18.9.2	Y 875 Hiev
1.3.78.18.9.3	B Y 879 Schwimmdocks
1.3.78.18.9.4	Y 876 Griep
1.3.78.18.9.5	c, 2 and 3
1.3.78.18.10	Tank cleaning vessels (type 710)
1.3.78.18.10.1	Y 1641 Forde
1.3.78.18.10.2	Y 1642 Jade
1.3.78.18.11	Trial boat (type 740)
1.3.78.18.11.1	Y 1689 Bums
1.3.78.18.12	General service launches (types 740, 743, 744, 744a)
1.3.78.18.12.1	Y 1670 MT-BOOT
1.3.78.18.12.2	Y 1673 AK 5
1.3.78.18.12.3	Y 1674 AK 6
1.3.78.18.12.4	Y 1675 AM 8
1.3.78.18.12.5	Y 1679 AM 7
1.3.78.18.12.6	Y 1683 AK 6
1.3.78.18.12.7	Y 1684 Peter Bachmann
1.3.78.18.12.8	Y 1686 AK 2 Y
1.3.78.18.13	Range-safety craft (5 type 369, 1 type 909)
1.3.78.18.13.1	Y 827 KW 15
1.3.78.18.13.2	Y 830 KW 16
1.3.78.18.13.3	Y 845 KW 17
1.3.78.18.13.4	Y 832 KW 18
1.3.78.18.13.5	Y 846 KW 20

Field Value	Description
1.3.78.18.13.6	Y 857 H 11
1.3.78.18.14	Twin-hull oil-recovery ships (type 738)
1.3.78.18.14.1	Y 1643 Bottsand
1.3.78.18.14.2	Y 1644 Eversand
1.3.78.18.15	Torpedo recovery vessels (type 430A)
1.3.78.18.15.1	Y 851 TF 1
1.3.78.18.15.2	Y 852 TF 2
1.3.78.18.15.3	Y 853 TF 3
1.3.78.18.15.4	Y 855 TF 5
1.3.78.50	Frigate
1.3.78.50.1	Thetis class (type 420)
1.3.78.50.1.1	P 6053 Hermes
1.3.78.50.1.2	P 6055 Triton
1.3.78.50.1.3	P 6056 Theseus

#### 4.2.3.5.4. Subsurface

Field Value	Description
1.4.78	
1.4.78.5	SS (Conventional attack-torpedo patrol)
1.4.78.5.1	Type 206
1.4.78.5.1.1	S 192 U 13
1.4.78.5.1.2	S 193 U 14
1.4.78.5.1.3	S 198 U 19
1.4.78.5.1.4	S 199 U 20
1.4.78.5.1.5	S 170 U 21
1.4.78.5.1.6	S 176 U 27
1.4.78.5.2	Type 206A
1.4.78.5.2.1	S 194 U 15
1.4.78.5.2.2	S 195 U 16
1.4.78.5.2.3	S 196 U 17
1.4.78.5.2.4	S 197 U 18
1.4.78.5.2.5	S 171 U 22
1.4.78.5.2.6	S 172 U 23
1.4.78.5.2.7	S 173 U 24
1.4.78.5.2.8	S 174 U 25
1.4.78.5.2.9	S 175 U 26
1.4.78.5.2.10	S 177 U 28
1.4.78.5.2.11	S 178 U 29

Field Value	Description
1.4.78.5.2.12	S 179 U 30
1.4.78.5.3	Type 205
1.4.78.5.3.1	S 188 U 9
1.4.78.5.3.2	S 189 U 10
1.4.78.5.3.3	S 190 U 11
1.4.78.5.3.4	S 191 U 12
1.4.78.5.4	Type 209
1.4.78.5.4.1	1500
1.4.78.5.4.1.1	S44 Shishumar (India)
1.4.78.5.4.2	1200
1.4.78.5.5	Modernized Kobben class (type 207)
1.4.78.5.5.1	Sklinna (Norway)
1.4.78.5.5.2	Skolpen (Norway)
1.4.78.5.5.3	Stord (Norway)
1.4.78.5.5.4	Svenner (Norway)
1.4.78.5.5.5	Kobben (Norway)
1.4.78.5.5.6	Kunna (Norway)
1.4.78.5.6	Type 212A
1.4.78.5.6.1	U-31
1.4.78.5.6.2	U-32
1.4.78.5.6.3	U-33
1.4.78.5.6.4	U-34

#### 4.2.3.5.5. Space

Field Value	Description
1.5.78	
1.5.78.1	Manned
1.5.78.1.1	Space vehicles
1.5.78.1.1.1	Hermes
1.5.78.1.1.2	Saenger Spaceplane
1.5.78.1.2	Space Station
1.5.78.1.2.1	Columbus
1.5.78.1.3	Space Lab
1.5.78.1.3.1	D1
1.5.78.1.3.2	D2
1.5.78.1.3.3	D3
1.5.78.1.3.4	IML 1

Field Value	Description
1.5.78.2	Unmanned
1.5.78.2.1	Communication satellite
1.5.78.2.1.1	DFS-Kopernikus
1.5.78.2.1.2	Artemis
1.5.78.2.1.3	DRS
1.5.78.2.5	Meteorology satellite
1.5.78.2.5.1	Atmos
1.5.78.2.5.2	Azur
1.5.78.2.5.3	X-SAR
1.5.78.2.5.4	ERS
1.5.78.2.5.5	POEM
1.5.78.2.7	Imaging Radar Surveillance Satellite
1.5.78.2.7.1	Rosat
1.5.78.2.13	Science satellite
1.5.78.2.13.1	(deleted)
1.5.78.2.13.2	Ulysses
1.5.78.2.13.3	Galileo
1.5.78.2.13.4	Soho & Cluster
1.5.78.2.13.5	Eureca
1.5.78.2.13.6	Astro-SPAS
1.5.78.2.13.7	HST
1.5.78.2.13.8	Mars-94/96
1.5.78.2.13.9	ISO
1.5.78.2.13.10	Huygens/Cassini
1.5.78.2.13.11	Giotto
1.5.78.2.13.12	Hipparcos
1.5.78.2.13.13	Compton
1.5.78.2.13.14	(deleted)
1.5.78.2.13.15	Bremsat
1.5.78.2.15	Microgravity Satellite
1.5.78.2.15.1	Spacelab
1.5.78.2.15.2	Eureca
1.5.78.2.15.3	SPAS
1.5.78.2.15.4	Maxus
1.5.78.2.15.5	Texus
1.5.78.2.15.6	Mikroba
1.5.78.2.15.7	Mir-92
1.5.78.2.15.8	MAUS
1.5.78.2.15.9	Express

Field Value	Description
1.5.78.2.16	Miscellaneous
1.5.78.2.16.1	Shuttle Pallet (SPAS)
1.5.78.3	Booster
1.5.78.3.1	Ariane
1.5.78.3.2	Maxus
1.5.78.3.3	Saenger

#### 4.2.3.6. China, People's Republic of Platform

##### 4.2.3.6.1. Land

Field Value	Description
1.1.45	
1.1.45.1	Tank
1.1.45.1.1	Type 59
1.1.45.1.1.1	Type 59-I
1.1.45.1.1.2	Type 59-II
1.1.45.1.2	Type 69
1.1.45.1.2.1	Type 69-I
1.1.45.1.2.2	Type 69-II
1.1.45.1.3	Type 79
1.1.45.1.4	Type 80
1.1.45.1.4.1	Type 80
1.1.45.1.4.2	Type 80-II
1.1.45.1.5	Type 85-II
1.1.45.1.5.1	Type 85-II
1.1.45.1.5.2	Type 85-IIA
1.1.45.1.5.3	Type 85-11M (w/125mm gun)
1.1.45.1.5.4	Type 85-III
1.1.45.1.6	Type 63 (light amphibious)
1.1.45.1.6.1	Type 63A
1.1.45.1.7	Type 62 (light)
1.1.45.2	Armored Fighting Vehicle
1.1.45.2.1	NORINCO YW 531 Armored Personnel Carrier (APC)
1.1.45.2.2	NORINCO Type 85 (YW 531H) Armored Personnel Carrier (APC)
1.1.45.2.3	NORINCO YW 534 Armored Personnel Carrier (APC)
1.1.45.2.4	NORINCO Type 77 (M1974) Armored Personnel Carrier (APC)



Field Value	Description
1.1.45.2.5	NORINCO Type WZ 501 Infantry Fighting Vehicle (IFV)
1.1.45.2.6	NORINCO WZ 551 Armored Personnel Carrier (APC)
1.1.45.2.7	NORINCO Type WZ 523 Armored Personnel Carrier (APC)
1.1.45.4	Self-propelled Artillery
1.1.45.4.1	Type 54-1 122mm SP Howitzer
1.1.45.4.2	Type 83 152mm SP Gun-Howitzer
1.1.45.4.3	Type 81 122mm Multiple Rocket Launcher (MRL)
1.1.45.4.4	Type 63 130mm Multiple Rocket Launcher (MRL)
1.1.45.4.5	Type 87 253mm Mine Clearing System (MRL)
1.1.45.4.6	Type 74 284mm Minelaying Rocket System
1.1.45.4.7	Type 75 105mm Recoilless Rifle
1.1.45.4.8	(deleted)
1.1.45.4.9	(deleted)
1.1.45.4.10	(deleted)
1.1.45.4.11	(deleted)
1.1.45.4.12	(deleted)
1.1.45.4.13	SY-1 (Styx) ASCM launcher
1.1.45.4.14	YJ-1/C-802/CSS-N-8 Saccade ASCM launcher
1.1.45.4.15	CSS-8 (M-7) surface-to-surface missile launcher
1.1.45.4.16	DF-15 (M9) launcher
1.1.45.4.17	CSSC-5 (YJ-16/C-101) Saples launcher
1.1.45.4.18	CSSC-6 (HY-3) Sawhorse launcher
1.1.45.4.19	CSSC-7 (HY-4) Sadsack launcher
1.1.45.5	Towed Artillery
1.1.45.5.1	Type 54 122mm Howitzer
1.1.45.5.2	Type 59 130mm Gun
1.1.45.5.2.1	Type 59
1.1.45.5.2.2	Type 59-1
1.1.45.5.3	Type 54 152mm Howitzer
1.1.45.5.4	Type 66 152mm Gun-Howitzer
1.1.45.5.5	Type WA 021 (WAC 21) 155mm Gun-Howitzer
1.1.45.5.6	Type 63 107mm Multiple Rocket Launcher (MRL)
1.1.45.5.7	Type 65 82mm Recoilless Rifle
1.1.45.5.8	(deleted)
1.1.45.5.9	(deleted)
1.1.45.5.10	(deleted)
1.1.45.5.11	Type 55 57mm Anti-Tank Gun (ATG)
1.1.45.5.12	Type 54 76mm ATG
1.1.45.5.13	Type 56 85mm ATG

Field Value	Description
1.1.45.5.14	Type 73 100mm ATG
1.1.45.5.15	Type 86 100mm ATG
1.1.45.5.16	HY-series ASCM launcher
1.1.45.5.16.1	HY-1/CSSC-2 Silkworm launcher
1.1.45.5.16.2	HY-2/CSSC-3 Seersucker launcher
1.1.45.5.17	C-801/YJ-1/CSS-N-4 Sardine launcher
1.1.45.6	Small Wheeled Utility Vehicle (0 - 1.25 tons)
1.1.45.6.1	BJ212 4x4
1.1.45.7	Large Wheeled Utility Vehicle (greater than 1.25 tons)
1.1.45.7.1	Jiefang CA-10
1.1.45.7.2	Jiefang CA-30 6x6 2500kg cargo/utility truck
1.1.45.7.2.1	CA-30
1.1.45.7.2.2	CA-30A
1.1.45.10	Mortar
1.1.45.10.1	100 mm type 71 mortar
1.1.45.10.2	120 mm type 55 mortar
1.1.45.10.3	160 mm type 56 mortar
1.1.45.28	Air Defense/Missile Defense Unit Equipment
1.1.45.28.1	HQ-2/CSA-1 SAM System
1.1.45.28.1.1	Battalion C3 Vehicle
1.1.45.28.1.2	HQ-2 Launcher
1.1.45.28.1.2.1	HQ-2 Launcher (standard)
1.1.45.28.1.2.2	HQ-2B SP Launcher (tracked)
1.1.45.28.1.3	Gin Sling Engagement Radar
1.1.45.28.1.3.1	Gin Sling A
1.1.45.28.1.3.2	Gin Sling B
1.1.45.28.2	HQ-61/CSA-2 SAM System
1.1.45.28.2.1	Battery Command Post Vehicle
1.1.45.28.2.2	HQ-61 Twin-Rail Launcher Vehicle
1.1.45.28.2.3	HQ-61 Engagement Radar
1.1.45.28.3	LY-60 SAM System
1.1.45.28.3.1	LY-60 Battery C3 Vehicle
1.1.45.28.3.2	LY-60 5-Round SP Launcher
1.1.45.28.3.3	LY-60 Engagement Radar Vehicle
1.1.45.28.3.4	LY-60 Surveillance Radar Vehicle
1.1.45.28.4	Self-Propelled VSHORAD Gun/Missile System
1.1.45.28.4.1	PL-9 SAM System (quad-rail)
1.1.45.28.4.2	HN-5C SAM System
1.1.45.28.5	Towed VSHORAD Gun/Missile System

Field Value	Description
1.1.45.28.5.1	Type 59 57mm AA Gun (similar to CIS S-60)
1.1.45.28.5.2	NORINCO 37mm AA Guns
1.1.45.28.5.2.1	Type 55
1.1.45.28.5.2.2	Type 65 (twin)
1.1.45.28.5.2.3	Type 74 (twin)
1.1.45.28.5.2.4	Type P793 (twin)

## 4.2.3.6.2. Air

Field Value	Description
1.2.45	
1.2.45.1	Fighter/Air Defense
1.2.45.1.1	Shenyang F-6 (Farmer)
1.2.45.1.2	Xien J-7 (Fishbed)
1.2.45.1.2.1	J-7 II
1.2.45.1.2.2	J-7 E
1.2.45.1.2.3	J-7 / F-7 III
1.2.45.1.2.4	(deleted)
1.2.45.1.3	Shenyang J-8 (Finback)
1.2.45.1.3.1	J-8 I Finback A
1.2.45.1.3.2	J-8 II Finback B
1.2.45.1.4	Chengdu Aircraft Industrial Corp. J-9
1.2.45.2	Attack/Strike
1.2.45.2.1	(deleted)
1.2.45.2.2	Nanchang Q-5 (Fantan)
1.2.45.2.2.1	Q-5
1.2.45.2.2.2	Q-5I
1.2.45.2.2.3	Q-5IA
1.2.45.2.2.4	Q-5 II
1.2.45.2.2.5	A-5C Fantan
1.2.45.2.3	(deleted)
1.2.45.2.4	Xian Aircraft Company JH-7
1.2.45.2.5	(deleted)
1.2.45.2.6	(deleted)
1.2.45.3	Bomber
1.2.45.3.1	Harbin H-5 (B-5) Beagle
1.2.45.3.2	Xian H-6 (B-6) Badger
1.2.45.3.2.1	B-6 Badger A
1.2.45.3.2.2	B-6D Badger (ASM platform)

Field Value	Description
1.2.45.4	Cargo/Tanker
1.2.45.4.1	Shaanxi Aircraft Company Y-8
1.2.45.4.1.1	Y-8A (helicopter carrier)
1.2.45.4.1.2	Y-8E (drone carrier)
1.2.45.4.2	Xian Aircraft Company Y-7
1.2.45.4.2.1	Y-7 (cargo)
1.2.45.4.2.2	Y-7H-500 (cargo)
1.2.45.4.3	(deleted)
1.2.45.4.4	(deleted)
1.2.45.4.5	ASW/Patrol/Observation
1.2.45.4.5.1	Harbin Aircraft Manufacturing Corp. SH-5
1.2.45.4.5.2	Shannxi Aircraft Company Y-8X
1.2.45.21	Utility helicopter
1.2.45.21.1	Changhe Aircraft Factory Z-8
1.2.45.21.2	(deleted)
1.2.45.21.3	(deleted)
1.2.45.40	Trainer
1.2.45.40.1	Chengdu Aircraft Industrial Corp. JJ-5
1.2.45.40.2	Changdu Aircraft Industrial Corp. JJ-7/FT-7
1.2.45.40.3	Guizhou Aviation Industry Corp JJ-7
1.2.45.40.4	Nanchang Aircraft Manufacturing Company CJ-6
1.2.45.40.4.1	CJ-6A
1.2.45.40.4.2	CJ-6B
1.2.45.40.5	Nanchang AMC / PAK K-8
1.2.45.57	Non-Combatant Commercial Aircraft
1.2.45.57.1	Passenger Airline
1.2.45.57.1.1	Harbin Aircraft Manufacturing Corp. Y-12(I)
1.2.45.57.1.2	Harbin Aircraft Manufacturing Corp. Y-12 (II)
1.2.45.57.1.3	Harbin Aircraft Manufacturing Corp. Y-12 (IV)
1.2.45.57.1.4	Shaanxi Aircraft Company Y-8B
1.2.45.57.1.5	Shaanxi Aircraft Company Y-8C
1.2.45.57.1.6	Xian Aircraft Company Y7-100
1.2.45.57.1.7	Xian Aircraft Company Y7-100C
1.2.45.57.1.8	Xian Aircraft Compnay Y7-200
1.2.45.57.1.9	Xian Aircraft Company Y7-200B
1.2.45.57.1.10	(deleted)
1.2.45.57.1.11	(deleted)
1.2.45.57.2	Agriculture
1.2.45.57.2.1	Nanching Aircraft Manufacturing Company N-5A

Field Value	Description
1.2.45.57.2.2	Harbin Aircraft Manufacturing Corp. Y-11B (I)
1.2.45.57.2.3	WSK-PZL Mielec M-18 Dromader
1.2.45.57.3	Helicopter
1.2.45.57.3.1	Harbin Aircraft Co. Z-9/Z-9A (Eurocopter AS 365N2)
1.2.45.57.4	(deleted)
1.2.45.57.5	Special Purpose
1.2.45.57.5.1	Shaanxi Aircraft Company Y-8F (livestock carrier)
1.2.45.57.5.2	Shaanxi Aircraft Company Y-8H (aerial survey)
1.2.45.57.5.3	Xian Aircraft Company Y-7 (cargo)

## 4.2.3.6.3. Surface

Field Value	Description
1.3.45	
1.3.45.4	Guided Missile Destroyer (DDG)
1.3.45.4.1	Luhu (Type 052)
1.3.45.4.1.1	112 Luhu
1.3.45.4.2	Luda (Type 051)
1.3.45.4.2.1	Jinan
1.3.45.4.2.2	Xian
1.3.45.4.2.3	Yinchuan
1.3.45.4.2.4	Xinging
1.3.45.4.2.5	Kaifeng
1.3.45.4.2.6	Dalien
1.3.45.4.2.7	Nanjing
1.3.45.4.2.8	Hefei
1.3.45.4.2.9	Chongqing
1.3.45.4.2.10	Zunyi
1.3.45.4.2.11	Changsha
1.3.45.4.2.12	Nanning
1.3.45.4.2.13	Nanchang
1.3.45.4.2.14	Guilin
1.3.45.4.2.15	Zangjiang
1.3.45.4.2.16	Zhuhei
1.3.45.4.3	Luhia Class DDG
1.3.45.4.3.1	Shenzhen
1.3.45.4.3.2	H2 (2003)
1.3.45.4.3.3	H3 (2005)
1.3.45.4.3.4	H4 (2007)

Field Value	Description
1.3.45.4.3.5	H5 (2007)
1.3.45.4.3.6	H6 (2009)
1.3.45.6	Guided Missile Frigate (FFG)
1.3.45.6.1	Jianghu (Type 053)
1.3.45.6.1.1	Chang De
1.3.45.6.1.2	Shaoxing
1.3.45.6.1.3	Nantong
1.3.45.6.1.4	Wuxi
1.3.45.6.1.5	Huayin
1.3.45.6.1.6	Zhenjiang
1.3.45.6.1.7	Xiamen
1.3.45.6.1.8	Jiujiang
1.3.45.6.1.9	Nanping
1.3.45.6.1.10	Jian
1.3.45.6.1.11	Changzhi
1.3.45.6.1.12	Ningpo
1.3.45.6.1.13	Jinhua
1.3.45.6.1.14	Dandong
1.3.45.6.1.15	Tinashan
1.3.45.6.1.16	Maoming
1.3.45.6.1.17	Yibin
1.3.45.6.1.18	Shaoguan
1.3.45.6.1.19	Anshun
1.3.45.6.1.20	Zhaotong
1.3.45.6.1.21	Jishao
1.3.45.6.1.22	Zigong
1.3.45.6.1.23	Kangding
1.3.45.6.1.24	Dongguan
1.3.45.6.1.25	Shantou
1.3.45.6.2	Jianghu II (Type 053)
1.3.45.6.2.1	Siping
1.3.45.6.3	Jianghu III
1.3.45.6.3.1	Huangshi
1.3.45.6.3.2	WuHu
1.3.45.6.4	Jianghu IV
1.3.45.6.4.1	Zhoushan
1.3.45.6.5	Jiangwei
1.3.45.6.5.1	Anging
1.3.45.6.5.2	Huainan

Field Value	Description
1.3.45.6.5.3	Huaibei
1.3.45.6.5.4	Tongling
1.3.45.6.6	Jiavgnan (Type 065)
1.3.45.6.6.1	Nanchong
1.3.45.6.6.2	Dongchuan
1.3.45.6.7	Chengdu (Type 01)
1.3.45.6.7.1	Chengdu
1.3.45.6.7.2	Pingxiang
1.3.45.6.8	Jiangdong (Type 053K)
1.3.45.6.8.1	Yingtian
1.3.45.7	Light/Patrol Craft
1.3.45.7.1	Huang class Type 037/2 (fast attack missile)
1.3.45.7.1.1	770
1.3.45.7.2	Houxin class (fast attack missile)
1.3.45.7.2.1	751-758
1.3.45.7.3	Hola class (fast attach missile)
1.3.45.7.3.1	5100
1.3.45.7.4	Hegu/Hoku class Type 024 (fast attack missile)
1.3.45.7.5	Haijui class (fast attack patrol)
1.3.45.7.5.1	688
1.3.45.7.5.2	693
1.3.45.7.5.3	694
1.3.45.7.5.4	697
1.3.45.7.6	Hainan class Type 037 (fast attack patrol)
1.3.45.7.6.1	267-285
1.3.45.7.6.2	290
1.3.45.7.6.3	302
1.3.45.7.6.4	305
1.3.45.7.6.5	609
1.3.45.7.6.6	610
1.3.45.7.6.7	622
1.3.45.7.6.8	628
1.3.45.7.6.9	636-698
1.3.45.7.6.10	689-692
1.3.45.7.6.11	695
1.3.45.7.6.12	696
1.3.45.7.6.13	698
1.3.45.7.6.14	699
1.3.45.7.6.15	701

Field Value	Description
1.3.45.7.6.16	702
1.3.45.7.6.17	707
1.3.45.7.6.18	723-730
1.3.45.7.7	Shanghai class Type 062 (fast attack gun)
1.3.45.7.7.1	E227
1.3.45.7.7.2	301
1.3.45.7.7.3	321
1.3.45.7.7.4	N1121
1.3.45.7.7.5	1127
1.3.45.7.7.6	3140
1.3.45.7.7.7	3141
1.3.45.7.7.8	N3215
1.3.45.7.7.9	N3313
1.3.45.7.7.10	N4301
1.3.45.7.7.11	4324
1.3.45.7.7.12	9342 et al
1.3.45.7.8	Huludao class Type 206 (fast attack patrol)
1.3.45.7.8.1	65
1.3.45.7.8.2	77
1.3.45.7.8.3	101
1.3.45.7.8.4	109
1.3.45.7.9	Huxin class (river patrol)
1.3.45.7.9.1	62 et al
1.3.45.7.10	Huangfen Class (Pakistan)
1.3.45.7.11	Haiqing (Type 037/1) Class (Fast Attack Craft-Patrol)(PC)
1.3.45.7.11.1	710
1.3.45.7.12	Huchuan (Type 025/026) Class (Fast Attack Craft-Torpedo)
1.3.45.7.12.1	205
1.3.45.7.13	Houku Class Type 024 Fast Attack Missile
1.3.45.8	Mine Countermeasure Ship/Craft
1.3.45.8.1	Beleijan class (minelayer)
1.3.45.8.1.1	814
1.3.45.8.2	Wosao class (minesweeper-coastal)
1.3.45.8.2.1	4422 et al
1.3.45.8.3	Fushun class (minesweeper-coastal)
1.3.45.8.3.1	E303 et al
1.3.45.8.4	Lienyou class (minesweeper-coastal)
1.3.45.8.5	Futi class Type 312 (minesweeper-drone)
1.3.45.8.6	T-43 MSO Type 010



Field Value	Description
1.3.45.8.6.1	830
1.3.45.8.6.2	831
1.3.45.10	Tank Landing Ship
1.3.45.10.1	Yuting class
1.3.45.10.1.1	991
1.3.45.10.2	Yukan class Type 072
1.3.45.10.2.1	927
1.3.45.10.2.2	928
1.3.45.10.2.3	929
1.3.45.10.2.4	930
1.3.45.10.3	US 1-511 (Shan) Class (LST)
1.3.45.10.3.1	US1
1.3.45.11	Landing Craft
1.3.45.11.1	Yudao class (landing ship medium)
1.3.45.11.2	Yuliang class Type 079 (landing ship medium)
1.3.45.11.3	Yuling class (landing ship medium)
1.3.45.11.4	Chinese Type class (landing ship medium)
1.3.45.11.4.1	972
1.3.45.11.4.2	990 et al
1.3.45.11.5	Yunnan class Type 067 (landing craft utility)
1.3.45.11.5.1	3313
1.3.45.11.5.2	3321
1.3.45.11.5.3	3344
1.3.45.11.5.4	5526
1.3.45.11.5.5	7566
1.3.45.11.5.6	7568 et al
1.3.45.11.6	Yuch'in class Type 068/069 (landing craft utility)
1.3.45.11.6.1	Y765 et al
1.3.45.14	Hydrofoil
1.3.45.14.1	Huchuan class Type 025/026 (fast attack-torpedo)
1.3.45.14.1.1	205
1.3.45.14.1.2	207-209
1.3.45.14.1.3	248
1.3.45.14.1.4	1247
1.3.45.14.1.5	2201
1.3.45.14.1.6	2203
1.3.45.14.1.7	3206
1.3.45.14.1.8	3214
1.3.45.14.1.9	6218

Field Value	Description
1.3.45.14.1.10	7230 et al
1.3.45.15	Air Cushion/Surface Effect
1.3.45.15.1	Jingsah II class
1.3.45.15.1.1	452
1.3.45.16	Auxiliary
1.3.45.16.1	Daxin class (training ship)
1.3.45.16.1.1	81 Zhenghe
1.3.45.16.2	Dajiang class (submarine support)
1.3.45.16.2.1	J121 Changxingdao
1.3.45.16.2.2	J122 Chongmingdao
1.3.45.16.2.3	J506 Yongxingdao
1.3.45.16.3	Da Dong class (salvage)
1.3.45.16.3.1	J304
1.3.45.16.4	Dadao class (salvage)
1.3.45.16.4.1	Dadao
1.3.45.16.5	Dalang class (submarine support)
1.3.45.16.5.1	J503 Dalang
1.3.45.16.5.2	J504
1.3.45.16.6	Dongxiu class (submarine support)
1.3.45.16.6.1	U911 Dongxiu
1.3.45.16.7	Dazhi class (submarine support)
1.3.45.16.7.1	920 Dazhi
1.3.45.16.8	Hudung class (submarine rescue)
1.3.45.16.8.1	403 Haijui
1.3.45.16.8.2	512 Haijui
1.3.45.16.9	DSRV (salvage submarine)
1.3.45.16.10	Ten Ting class (salvage)
1.3.45.16.10.1	456 Hai Lao
1.3.45.16.10.2	520 Hai Lao
1.3.45.16.10.3	523 Hai Lao
1.3.45.16.10.4	666 Hai Lao
1.3.45.16.11	Kansha class (salvage)
1.3.45.16.11.1	Kansha
1.3.45.16.11.2	304 Haito
1.3.45.16.11.3	403
1.3.45.16.12	Jin Jian Xun 05 class (salvage)
1.3.45.16.13	Qionshe class (attack transport)
1.3.45.16.13.1	Y830
1.3.45.16.13.2	Y831

Field Value	Description
1.3.45.16.13.3	Y833 et al
1.3.45.16.14	Qionshe class (hospital)
1.3.45.16.14.1	Y833
1.3.45.16.15	Fuqing class (replenishment oiler)
1.3.45.16.15.1	X575 Taicang
1.3.45.16.15.2	X615 Dongyun
1.3.45.16.16	Shengli class (transport oiler)
1.3.45.16.16.1	X620
1.3.45.16.16.2	X621
1.3.45.16.17	Fulin class (transport oiler)
1.3.45.16.17.1	X583
1.3.45.16.17.2	X606
1.3.45.16.17.3	X607
1.3.45.16.17.4	X609
1.3.45.16.17.5	X628
1.3.45.16.17.6	X629
1.3.45.16.17.7	X633
1.3.45.16.18	Fuzhou class (transport oiler)
1.3.45.16.18.1	X573
1.3.45.16.18.2	X580
1.3.45.16.18.3	X606
1.3.45.16.18.4	X629 et al
1.3.45.16.19	Jinyou class (transport oiler)
1.3.45.16.19.1	X622
1.3.45.16.19.2	X625
1.3.45.16.19.3	X675
1.3.45.16.20	Leizhou class (transport oiler-light)
1.3.45.16.20.1	N1101 Liezhou et al
1.3.45.16.21	Fuzhou class (water transport)
1.3.45.16.21.1	416 Hai Shui
1.3.45.16.21.2	419 Hai Shui
1.3.45.16.21.3	556 Hai Shui
1.3.45.16.21.4	557 Hai Shui
1.3.45.16.21.5	608 Hai Shui et al
1.3.45.16.22	Leizhou class (water transport)
1.3.45.16.22.1	412 Hai Shui
1.3.45.16.22.2	555 Hai Shui
1.3.45.16.22.3	558 Hai Shui
1.3.45.16.23	Yen Pai class (degaussing)

Field Value	Description
1.3.45.16.23.1	746 Hai Dzu
1.3.45.16.23.2	863 Dong Qin
1.3.45.16.24	Yenka class (degaussing)
1.3.45.16.24.1	745 Hai Dzu
1.3.45.16.24.2	Hai Dzu
1.3.45.16.25	Yen Fang class (degaussing)
1.3.45.16.25.1	950 Hai Dzu
1.3.45.16.25.2	951 Hai Dzu
1.3.45.16.26	Haibing class (icebreaker)
1.3.45.16.26.1	101
1.3.45.16.26.2	102
1.3.45.16.27	Mod Yanha class (icebreaker)
1.3.45.16.27.1	723
1.3.45.16.28	Yanha class (icebreaker)
1.3.45.16.28.1	519
1.3.45.16.29	Galait class (cargo)
1.3.45.16.29.1	318 Haiyun
1.3.45.16.29.2	600 Haiyun
1.3.45.16.30	Dayun class (cargo)
1.3.45.16.30.1	951
1.3.45.16.30.2	952
1.3.45.16.31	Yukan class (cargo)
1.3.45.16.31.1	801
1.3.45.16.32	Danlin class (cargo)
1.3.45.16.32.1	L191 Hai Leng
1.3.45.16.32.2	L201 Hai Leng
1.3.45.16.32.3	L790 Hai Yun
1.3.45.16.32.4	L795 Hai Yun
1.3.45.16.33	Hongqi class (cargo)
1.3.45.16.33.1	Y433
1.3.45.16.33.2	Y528
1.3.45.16.33.3	Y755
1.3.45.16.33.4	Y771
1.3.45.16.34	Damen class (cargo)
1.3.45.16.34.1	Y529
1.3.45.16.35	Wulai class (cable)
1.3.45.16.35.1	230
1.3.45.16.36	Yan Jiu class (ocean tug)
1.3.45.16.36.1	14 Jan Jiu

Field Value	Description
1.3.45.16.37	Gromovoy class (ocean tug)
1.3.45.16.37.1	210 Haito
1.3.45.16.37.2	221 Haito
1.3.45.16.37.3	230 Haito
1.3.45.16.37.4	231 Haito
1.3.45.16.37.5	235 Haito
1.3.45.16.37.6	319 Haito
1.3.45.16.37.7	T147 Haito
1.3.45.16.37.8	T716 Haito
1.3.45.16.37.9	T802 Haito
1.3.45.16.37.10	T814 Haito et al
1.3.45.16.38	Yung Gang (ocean tug)
1.3.45.16.39	Hujiu class (tug)
1.3.45.16.39.1	T155
1.3.45.16.39.2	T711
1.3.45.16.39.3	T842
1.3.45.16.39.4	T867
1.3.45.16.40	Tuzhong class (ocean tug-towing)
1.3.45.16.40.1	T154
1.3.45.16.40.2	T710
1.3.45.16.40.3	T830
1.3.45.16.40.4	T890
1.3.45.16.41	Harbor tug
1.3.45.17	Auxiliary, Merchant Marine
1.3.45.17.1	Ji Di Hao class (research)
1.3.45.17.1.1	Ji Di Hao
1.3.45.17.2	Dajiang class (research)
1.3.45.17.2.1	R327
1.3.45.17.2.2	3 Yuan Wang
1.3.45.17.3	Yuan Wang class (space event)
1.3.45.17.3.1	1 Yuan Wang
1.3.45.17.3.2	2 Yuan Wang
1.3.45.17.4	Shijian class (oceanographic research)
1.3.45.17.4.1	Shijian
1.3.45.17.4.2	Kexueyihao
1.3.45.17.5	Hai Ying class (oceanographic research)
1.3.45.17.5.1	Ke Xue Yihao
1.3.45.17.5.2	Ke Xue Yijao
1.3.45.17.6	Kan class (oceanographic research)

Field Value	Description
1.3.45.17.6.1	102 Kan
1.3.45.17.7	Shuguang 04 class (oceanographic research)
1.3.45.17.7.1	04 Shuguang
1.3.45.17.7.2	05 Shuguang
1.3.45.17.7.3	06 Shuguang
1.3.45.17.7.4	07 Shuguang
1.3.45.17.7.5	08 Shuguang
1.3.45.17.8	Hai Yang class (oceanographic research)
1.3.45.17.8.1	01 Hai Yang
1.3.45.17.8.2	02 Hai Yang
1.3.45.17.9	Hai class (oceanographic research)
1.3.45.17.9.1	521 Hai
1.3.45.17.10	Dong Fang Hong class (oceanographic research)
1.3.45.17.10.1	Dong Fang Hong
1.3.45.17.11	Dadie (intelligence collection)
1.3.45.17.11.1	841
1.3.45.17.12	Xing Fengshan class (intelligence collection)
1.3.45.17.12.1	V856 Xing Fengshan
1.3.45.17.12.2	01 Xiangyang Hong
1.3.45.17.12.3	04, 06 Yiangyang Hong
1.3.45.17.12.4	02, 03, 08 Xiangyang Hong
1.3.45.17.12.5	05 Xiangyang Hong
1.3.45.17.12.6	09 Xiangyang Hong
1.3.45.17.12.7	10 Xiangyang Hong
1.3.45.17.12.8	11-16 Xiangyang Hong
1.3.45.17.13	Hen Hsi class (missile range instrumentation)
1.3.45.17.13.1	701 Hsun
1.3.45.17.14	Nan Hai class (geophysical research)
1.3.45.17.14.1	502 Han Hai
1.3.45.17.14.2	511 Bin Hai
1.3.45.17.15	Yenlai class (survey)
1.3.45.17.15.1	K200
1.3.45.17.15.2	226
1.3.45.17.15.3	426
1.3.45.17.15.4	427
1.3.45.17.15.5	943
1.3.45.17.16	Yenlun class (survey)
1.3.45.17.16.1	583 Haitse
1.3.45.17.17	King Hai class (survey)

Field Value	Description
1.3.45.17.17.1	701 Hai Sheng
1.3.45.17.17.2	702 Hai Sheng
1.3.45.17.18	Kaiboban class (survey)
1.3.45.17.18.1	623 Hai Sheng
1.3.45.17.19	Ganzhu class (survey)
1.3.45.17.19.1	K420
1.3.45.17.20	Yanxi class (survey)
1.3.45.17.20.1	V201
1.3.45.17.21	Yannan class (survey)
1.3.45.17.21.1	K982
1.3.45.17.21.2	983
1.3.45.61	Non-Combatant Ship
1.3.45.61.1	Container class
1.3.45.61.1.1	Bai Yu Lan
1.3.45.61.1.2	Donghai
1.3.45.61.1.3	Keisho
1.3.45.61.2	Tanker class
1.3.45.61.2.1	Bin Hai 517

#### 4.2.3.6.4. Subsurface

Field Value	Description
1.4.45	
1.4.45.1	SSBN (Nuclear Ballistic Missile)
1.4.45.1.1	Xia Class (Type 092)
1.4.45.1.1.1	Xia
1.4.45.3	SSN (Nuclear Attack - Torpedo)
1.4.45.3.1	Han Class
1.4.45.3.1.1	Han 401
1.4.45.3.1.2	Han 402
1.4.45.3.1.3	Han 403
1.4.45.3.1.4	Han 404
1.4.45.3.1.5	Han 405
1.4.45.5	SS (Conventional Attack - Torpedo, Patrol)
1.4.45.5.1	Ming Class (Type 035)
1.4.45.5.1.1	Ming 232
1.4.45.5.1.2	Ming 233
1.4.45.5.1.3	Ming 342
1.4.45.5.1.4	Ming 352

Field Value	Description
1.4.45.5.1.5	Ming 353
1.4.45.5.1.6	Ming 354
1.4.45.5.1.7	Ming 356
1.4.45.5.1.8	Ming 357
1.4.45.5.1.9	Ming 358
1.4.45.5.2	Song Class (Type 039) (SSG)
1.4.45.5.2.1	Song 320
1.4.45.5.2.2	Song 321
1.4.45.5.2.3	Song 322
1.4.45.5.2.4	Song 323

### 4.2.3.7. Sweden Platform

#### 4.2.3.7.1. Land

Field Value	Description
1.1.205	
1.1.205.0	Other
1.1.205.1	Tank
1.1.205.2	Armored Fighting Vehicle
1.1.205.2.1	Stridsfordon 90
1.1.205.2.2	Pansarbandvagn 302
1.1.205.4	Self-propelled Artillery
1.1.205.4.1	(deleted)
1.1.205.4.2	RBS-15K launcher
1.1.205.5	Towed Artillery
1.1.205.5.1	(deleted)
1.1.205.5.2	(deleted)
1.1.205.27	Civilian Vehicle
1.1.205.27.1	Truck
1.1.205.27.2	Bus
1.1.205.27.3	Car
1.1.205.28	Air Defense/Missile Defense Unit Equipment
1.1.205.28.1	Towed VSHORAD Gun/Missile System
1.1.205.28.1.1	40mm Bofors
1.1.205.28.1.1.1	L/70 AA Gun
1.1.205.28.1.1.2	L/60 AA Gun



Field Value	Description
1.1.205.28.1.2	57mm Bofors
1.1.205.28.1.3	RBS-70 Launcher

#### 4.2.3.7.2. Air

Field Value	Description
1.2.205	
1.2.205.0	Other
1.2.205.1	Fighter/Air Defense
1.2.205.1.1	SAAB J 35 Draken
1.2.205.1.2	SAAB JA 37 Viggen
1.2.205.1.3	SAAB JAS 39 Gripen

#### 4.2.3.7.3. Surface

Field Value	Description
1.3.205	
1.3.205.0	Other
1.3.205.1	Carrier
1.3.205.1.1	Stockholm
1.3.205.7	Light/Patrol Craft

#### 4.2.3.7.4. Subsurface

Field Value	Description
1.4.205	
1.4.205.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.205.5.1	Nachen (Denmark)

### 4.2.3.8. Australia Platform

#### 4.2.3.8.1. Air

Field Value	Description
1.2.13	

Field Value	Description
1.2.13.4	Cargo/Tanker
1.2.13.4.0	Other
1.2.13.4.1	GAF Normad
1.2.13.4.1.1	N22B
1.2.13.4.1.2	N24A

## 4.2.3.8.2. Surface

Field Value	Description
1.3.13	
1.3.13.6	Guided Missile Frigate (FFG)
1.3.13.6.0	Other
1.3.13.6.1	ANZAC Class (Meko 200)
1.3.13.6.1.1	FFH 150 Anzac
1.3.13.6.1.2	FFH 151 Arunta
1.3.13.6.1.3	FFH 152 Warumungu
1.3.13.6.1.4	FFH 153 Stuart
1.3.13.6.1.5	FFH 154 Parramatta
1.3.13.6.1.6	FFH 155 Ballarat
1.3.13.6.1.7	FFH 156 Toowoomba
1.3.13.6.1.8	FFH 157 Perth
1.3.13.6.1.9	Te Kaha (New Zealand)
1.3.13.6.1.10	Te Mana (new Zealand)
1.3.13.7	Light/Patrol Craft
1.3.13.7.0	Other
1.3.13.7.1	Fremantle Class (Large Patrol Craft)
1.3.13.7.1.1	P 203 Fremantle
1.3.13.7.1.2	P 204 Warrnambool
1.3.13.7.1.3	P 205 Townsville
1.3.13.7.1.4	P 206 Wollongong
1.3.13.7.1.5	P 207 Launceston
1.3.13.7.1.6	P 208 Whyalla
1.3.13.7.1.7	P 209 Ipswich
1.3.13.7.1.8	P 210 Cessnock
1.3.13.7.1.9	P 211 Bendigo
1.3.13.7.1.10	P 212 Gawler
1.3.13.7.1.11	P 213 Geraldton
1.3.13.7.1.12	P 214 Dubbo
1.3.13.7.1.13	P 215 Geelong

Field Value	Description
1.3.13.7.1.14	P 216 Gladstone
1.3.13.7.1.15	P 217 Bunbury
1.3.13.7.2	Fremantle Class (Modified)
1.3.13.7.2.1	Kula (Fiji)
1.3.13.7.2.2	Kikau (Fiji)
1.3.13.7.2.3	Kiro (Fiji)
1.3.13.7.2.4	Tukoro (Vanuatu)
1.3.13.7.2.5	Teanaoai (Kiribati)
1.3.13.7.2.6	Lomor (Marshall Islands)
1.3.13.7.2.7	Palikir (Micronesia)
1.3.13.7.2.8	Micronesia (Micronesia)
1.3.13.7.2.9	Independence (Micronesia)
1.3.13.7.2.10	Neiafu (Tonga)
1.3.13.7.2.11	Pangui (Tonga)
1.3.13.7.2.12	Savea (Tonga)
1.3.13.7.2.13	Te Mataili (Tuvalu)
1.3.13.7.2.14	President HI Remeliik (Palau)
1.3.13.7.2.15	Nalanva (Western Samoa)
1.3.13.7.2.16	Te Kukupa (Cook Islands)
1.3.13.7.2.17	Tarangau (PNG)
1.3.13.7.2.18	Dregen (PNG)
1.3.13.7.2.19	Seeadler (PNG)
1.3.13.7.2.20	Baslisk (PNG)
1.3.13.7.2.21	Lata (Solomon Islands)
1.3.13.7.2.22	Auki (Solomon Islands)
1.3.13.8	Mine Countermeasure Ship/Craft
1.3.13.8.0	Other
1.3.13.8.1	Huon Class (Minehunters-Coastal)
1.3.13.8.1.1	M 82 Huon
1.3.13.8.1.2	M 83 Hawkesbury
1.3.13.8.1.3	M 84 Norman
1.3.13.8.1.4	M 85 Gascoyne
1.3.13.8.1.5	M 86 Diamantina
1.3.13.8.1.6	M 87 Yarra
1.3.13.8.2	Bay Class (Minehunters - Inshore)
1.3.13.8.2.1	M 80 Rushcutter
1.3.13.8.2.2	M 81 Shoalwater
1.3.13.8.3	COOP Class (Minesweepers - Auxiliary)
1.3.13.8.3.1	1102 Brolga

Field Value	Description
1.3.13.8.3.2	1185 Koraaga
1.3.13.8.3.3	Y 298 Bandicoot
1.3.13.8.3.4	Y 299 Wallaroo
1.3.13.10	Landing Craft
1.3.13.10.1	Modified Sir Bedivere Class
1.3.13.10.1.1	LSH 50 Tobruk Tank landing ship
1.3.13.11	Landing Craft
1.3.13.11.0	Other
1.3.13.11.1	LCH Type
1.3.13.11.1.1	L 126 Balikpapan
1.3.13.11.1.2	L 127 Brunei
1.3.13.11.1.3	L 128 Labuan
1.3.13.11.1.4	L 129 Tarakan
1.3.13.11.1.5	L 130 Wewak
1.3.13.11.1.6	L 133 Betano
1.3.13.16	Auxiliary
1.3.13.16.1	Incat class: Fast Sealift Catamaran
1.3.13.16.1.1	AKR45 Jarvis Bay
1.3.13.16.2	Austal class: Fast Sealift Catamaran
1.3.13.16.2.1	Westpac Express
1.3.13.16.3	Durance class (Underway Replenishment Tanker) AOR
1.3.13.16.4	Leaf class (Underway Replenishment Tanker) AOR/AOT
1.3.13.50	Frigate
1.3.13.50.0	Other
1.3.13.50.1	River Class (FF)
1.3.13.54	Amphibious Assault Ship
1.3.13.54.0	Other
1.3.13.54.1	(deleted)
1.3.13.54.1.1	(deleted)

#### 4.2.3.8.3. Subsurface

Field Value	Description
1.4.13	
1.4.13.4	SSG (Conventional Guided Missile)
1.4.13.4.0	Other
1.4.13.4.1	Collins Class
1.4.13.4.1.1	S 71 Collins
1.4.13.4.1.2	S 72 Farncomb

Field Value	Description
1.4.13.4.1.3	S 73 Waller
1.4.13.4.1.4	S 74 Dechaineux
1.4.13.4.1.5	S 75 Sheean
1.4.13.4.1.6	S 76 Rankin

#### 4.2.3.9. Korea, Republic of (South) Platform

##### 4.2.3.9.1. Land

Field Value	Description
1.1.120	
1.1.120.1	Tank
1.1.120.1.1	Type 88
1.1.120.1.2	K1 105mm MBT
1.1.120.1.3	K1A1 120mm MBT
1.1.120.2	Armored Fighting Vehicle
1.1.120.2.1	KM900 Armored Personnel Carrier

##### 4.2.3.9.2. Air

Field Value	Description
1.2.120	
1.2.120.4	Cargo/Tanker
1.2.120.4.1	Aircraft Technologies Industries (Airtech) CN-235
1.2.120.4.1.1	CN-235 M
1.2.120.21	Utility Helicopter
1.2.120.21.1	Kawasaki BK 117
1.2.120.40	Trainer
1.2.120.40.1	KTX-1 Yeo-Myoung (Dawn)
1.2.120.57	Non-Combatant Commercial Aircraft
1.2.120.57.1	Passenger Airline
1.2.120.57.1.1	Fokker 1000
1.2.120.57.1.2	CHK-91 Chang-Gong 91 (Blue Sky 91)

##### 4.2.3.9.3. Surface

Field Value	Description
1.3.120	
1.3.120.6	Guided Missile Frigate (FFG)
1.3.120.6.1	Ulsan Class
1.3.120.6.1.1	FF 951 Ulsan
1.3.120.6.1.2	FF 952 Seoul
1.3.120.6.1.3	FF 953 Chung Nam
1.3.120.6.1.4	FF 955 Masan
1.3.120.6.1.5	FF 956 Kyong Buk
1.3.120.6.1.6	FF 957 Chon Nam
1.3.120.6.1.7	FF 958 Che Ju
1.3.120.6.1.8	FF 959 Busan
1.3.120.6.1.9	FF 961 Chung Ju
1.3.120.6.2	Po Hang Class (Corvette)
1.3.120.6.2.1	756 Po Hang
1.3.120.6.2.2	757 Kun San
1.3.120.6.2.3	758 Kyong Ju
1.3.120.6.2.4	759 Mok Po
1.3.120.6.2.5	761 Kim Chon
1.3.120.6.2.6	762 Chung Ju
1.3.120.6.2.7	763 Jin Ju
1.3.120.6.2.8	765 Yo Su
1.3.120.6.2.9	766 An Dong
1.3.120.6.2.10	767 Sun Chon
1.3.120.6.2.11	768 Yee Ree
1.3.120.6.2.12	769 Won Ju
1.3.120.6.2.13	771 Je Chon
1.3.120.6.2.14	772 Chon An
1.3.120.6.2.15	773 Song Nam
1.3.120.6.2.16	775 Bu Chon
1.3.120.6.2.17	776 Dae Chon
1.3.120.6.2.18	777 Jin Hae
1.3.120.6.2.19	778 Sok Cho
1.3.120.6.2.20	779 Yong Ju
1.3.120.6.2.21	781 Nam Won
1.3.120.6.2.22	782 Kwan Myong
1.3.120.6.2.23	783
1.3.120.7	Light/Patrol Craft
1.3.120.7.1	Pae Ku (PSMM 5) Class (fast attack craft-missile)
1.3.120.7.1.1	PGM 582 Pae Ku 52

Field Value	Description
1.3.120.7.1.2	PGM 583 Pae Ku 53
1.3.120.7.1.3	PGM 585 Pae Ku 55
1.3.120.7.1.4	PGM 586 Pae Ku 56
1.3.120.7.1.5	PGM 587 Pae Ku 57
1.3.120.7.1.6	PGM 588 Pae Ku 58
1.3.120.7.1.7	PGM 589 Pae Ku 59
1.3.120.7.1.8	PGM 591 Pae Ku 51
1.3.120.7.2	Sea Dolphin Class (fast attack craft-patrol)
1.3.120.7.2.1	PKM 212-358 series
1.3.120.7.3	Wildcat Class (fast attack craft-missile)
1.3.120.7.3.1	PKM 271-72
1.3.120.7.4	Sea Hawk Class (fast attack craft-patrol)
1.3.120.7.4.1	PK 161-189 series
1.3.120.7.5	Sea Fox Class (fast attack craft-patrol)
1.3.120.7.5.1	PK 161-189 series
1.3.120.8	Mine Countermeasure Ship/Craft
1.3.120.8.1	Swallow Class (minehunter)
1.3.120.8.1.1	561 Kang Keong
1.3.120.8.1.2	562 Kang Jin
1.3.120.8.1.3	563 Ko Ryeong
1.3.120.8.1.4	565 Kim Po
1.3.120.8.1.5	566 Ko Chang
1.3.120.8.1.6	567 Kum Cha
1.3.120.8.2	US MSC 268 Class (minesweeper-coastal)
1.3.120.8.2.1	MSC 551 Kum San
1.3.120.8.2.2	MSC 552 Ko Hung
1.3.120.8.2.3	MSC 553 Kum Kok
1.3.120.8.3	US MSC 389 Class (minesweeper-coastal)
1.3.120.8.3.1	MSC 555 Nam Yang
1.3.120.8.3.2	MSC 556 Ha Dong
1.3.120.8.3.3	MSC 557 Sam Kok
1.3.120.8.3.4	MSC 558 Yong Dong
1.3.120.8.3.5	MSC 559 Ok Cheon
1.3.120.10	Tank Landing Ship
1.3.120.10.1	Alligator Class (LST)
1.3.120.16	Auxiliary
1.3.120.16.1	Chun Jee Class (HDA 8000) (AOE)
1.3.120.16.1.1	AO 57 Chun Jee
1.3.120.16.1.2	AO 53

Field Value	Description
1.3.120.16.2	Furseal Class (LCU)
1.3.120.16.2.1	72, 73-75-78 Mulkae
1.3.120.16.3	Surveying Ship
1.3.120.16.3.1	801-803, 805, 806 Pusan
1.3.120.16.3.2	821 Ch'ungnam
1.3.120.16.3.3	831 Kangwon
1.3.120.16.4	Trials Support Ship
1.3.120.16.4.1	Sunjin
1.3.120.16.5	Salvage Ship
1.3.120.16.5.1	ARS 26 GUMI
1.3.120.16.5.2	ARS 25 CHANG WON
1.3.120.50	Frigate (including Corvette)
1.3.120.50.1	Dong Hae Class (Corvette)
1.3.120.50.1.1	751 Dong Hae
1.3.120.50.1.2	752 Su Won
1.3.120.50.1.3	753 Kang Reung
1.3.120.50.1.4	755 An Yang
1.3.120.61	Non-combatant Ship
1.3.120.61.1	Container Class
1.3.120.61.1.1	Chung Gu
1.3.120.61.1.2	Ga Yang

#### 4.2.3.9.4. Subsurface

Field Value	Description
1.4.120	
1.4.120.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.120.5.1	Chang Bogo (Type 209) Class
1.4.120.5.1.1	061 Chang Bogo
1.4.120.5.1.2	062 Yi Chon
1.4.120.5.1.3	063 Choi Muson
1.4.120.7	SSA (Conventional Auxiliary)
1.4.120.7.1	KSS-1 Tolgorae Class (midget submarine)
1.4.120.7.1.1	051-053
1.4.120.7.2	Cosmos Class (midget submarine)



### 4.2.3.10. Korea, Democratic People's Republic of (North) Platform

#### 4.2.3.10.1. Land

Field Value	Description
1.1.119	
1.1.119.1	Tank
1.1.119.1.1	M1985 Light tank
1.1.119.1.2	Type-63 Light amphibious tank
1.1.119.4	Self-propelled artillery
1.1.119.4.1	170 mm Self Propelled Gun
1.1.119.4.1.1	M-1978 SP "Koksan"
1.1.119.4.1.2	M-1989
1.1.119.4.2	240 mm Rocket Launcher
1.1.119.4.2.1	M-1985
1.1.119.4.2.2	M-1991
1.1.119.4.3	BM-11 122 mm Multiple Rocket Launcher
1.1.119.4.4	M-1992 Self Propelled Combination Gun
1.1.119.4.5	Taepo Dong I Launcher
1.1.119.4.6	Taepo Dong II Launcher (2-stage version)
1.1.119.4.7	Taepo Dong II Launcher (3-stage version)
1.1.119.4.8	No Dong Launcher
1.1.119.4.9	SCUB-B Launcher

#### 4.2.3.10.2. Surface

Field Value	Description
1.3.119	
1.3.119.6	Guided Missile Frigate (FFG)
1.3.119.6.1	Soho Class
1.3.119.6.2	Najin Class
1.3.119.7	Light/patrol Craft
1.3.119.7.1	So 1 Class (large patrol craft)
1.3.119.7.2	Soju Class (fast attack craft-missile)
1.3.119.7.3	Sohung Class (fast attack craft-missile)
1.3.119.7.4	Sariwon Class (large patrol craft)
1.3.119.7.4.1	725-27
1.3.119.7.5	Soman Class (large patrol craft)
1.3.119.7.6	Taechong I (large patrol craft)

Field Value	Description
1.3.119.7.7	Taechong II (Mayang) (large patrol craft)
1.3.119.7.8	Chodo Class (fast attack craft-gun)
1.3.119.7.9	Chaho Class (fast attack craft-gun)
1.3.119.7.10	Chong-Jin Class (fast attack craft-gun)
1.3.119.7.11	Chong-Ju Class (fast attack craft-gun)
1.3.119.7.12	Sinpo (Sinnam) Class (fast attack craft-gun)
1.3.119.7.13	Ku Song Class (fast attack craft-torpedo)
1.3.119.7.14	Sin Hung Class (fast attack craft-torpedo)
1.3.119.7.15	Mod Sin Hung Class (fast attack craft-torpedo)
1.3.119.7.16	TB 11PA Class (inshore patrol craft)
1.3.119.7.17	TB 40A Class (inshore patrol craft)
1.3.119.7.18	Modified Fishing Vessels (coastal patrol craft)
1.3.119.7.19	High Speed Infiltration Craft (HSIC)
1.3.119.8	Mine Countermeasure Ship/Craft
1.3.119.8.1	Yukto I Class (coastal minesweeper)
1.3.119.8.2	Yukto II Class (coastal minesweeper)
1.3.119.8.3	Pipa-Got Class (inshore minesweeper)
1.3.119.10	Tank Landing Ship
1.3.119.10.1	Hungnam Class (LSM)
1.3.119.10.2	Hantaе Class (LSM)
1.3.119.11	Landing Craft
1.3.119.11.1	Hanchon Class (LCM)
1.3.119.11.2	Nampo Class (LCP)
1.3.119.15	Air Cushion/Surface Effect
1.3.119.15.1	Songjong Class (Type I-III) (LCP-hovercraft)
1.3.119.16	Auxiliary
1.3.119.16.1	Depot Ship for Midget Submarine
1.3.119.16.1.1	Soo Gun-Ho
1.3.119.16.1.2	Dong Geon Ae Gook-Ho
1.3.119.16.1.3	Dong Hae-Ho
1.3.119.16.1.4	Chong Seong-Ho Number One
1.3.119.16.1.5	Chong Seong-Ho Number Two
1.3.119.16.1.6	Chong Seong-Ho Number Three
1.3.119.16.1.7	Hae Gum Gong-Ho
1.3.119.16.1.8	Song Rim-Ho
1.3.119.16.2	Surveying Ship
1.3.119.16.2.1	101 Donghae
1.3.119.16.2.2	102 Donghae
1.3.119.16.2.3	201 Sohai

Field Value	Description
1.3.119.16.2.4	202 Sohai
1.3.119.16.3	Coastal Patrol Craft
1.3.119.16.3.1	177
1.3.119.16.3.2	801
1.3.119.61	Non-combatant ship
1.3.119.61.1	Container class
1.3.119.61.1.1	Chong Jin

#### 4.2.3.10.3. Subsurface

Field Value	Description
1.4.119	
1.4.119.5	SS (Conventional Attack-Torpedo Patrol)
1.4.119.5.1	Sang-O class (midget submarine)
1.4.119.7	SSA (Conventional Auxiliary)
1.4.119.7.1	North Korean Design (midget submarine)

### 4.2.3.11. Qatar Platform

#### 4.2.3.11.1. Surface

Field Value	Description
1.3.178	
1.3.178.7	Light/Patrol Craft
1.3.178.7.1	Damsah (Combattante III M) Class (fast attack craft-missile)
1.3.178.7.1.1	Q01 Damsah
1.3.178.7.1.2	Q02 AL Ghariyah
1.3.178.7.1.3	Q03 Rbigah
1.3.178.7.2	Barzan Class (large patrol craft)
1.3.178.7.2.1	Q11 Barzan
1.3.178.7.2.2	Q12 Hwar
1.3.178.7.2.3	Q13 That Assuari
1.3.178.7.2.4	Q14 AL Wusail
1.3.178.7.2.5	Q15 Fateh-AL-Khair
1.3.178.7.2.6	Q16 Tariq
1.3.178.7.3	Damen Polycat 1450 Class (coastal patrolcraft)

Field Value	Description
1.3.178.7.3.1	Q31-36
1.3.178.7.4	Fairey Marine Spear Class (coastal patrol craft)
1.3.178.7.4.1	Q71-95

#### 4.2.3.12. Saudi Arabia Platform

##### 4.2.3.12.1. Air

Field Value	Description
1.2.189	
1.2.189.40	Trainer
1.2.189.40.1	Pilatus Flugzeugwerke SA PC-9
1.2.189.40.1.1	PC-9

##### 4.2.3.12.2. Surface

Field Value	Description
1.3.189	
1.3.189.6	Guided Missile Frigate
1.3.189.6.1	Madina (Type F 2000S) Class
1.3.189.6.1.1	702 Madina
1.3.189.6.1.2	704 Hofouf
1.3.189.6.1.3	706 Abha
1.3.189.6.1.4	708 Taif
1.3.189.6.2	Badr Class (Corvette)
1.3.189.6.2.1	612 Badr
1.3.189.6.2.2	614 Al Yarmook
1.3.189.6.2.3	616 Hitteen
1.3.189.6.2.4	618 Tabuk
1.3.189.6.3	Arriyad Class (Type F-3000S)
1.3.189.6.3.1	812 Al Ryadh
1.3.189.7	Light/Patrol Craft
1.3.189.7.1	Jaguar Class (fast attack craft-torpedo)
1.3.189.7.1.1	90 Dammam
1.3.189.7.1.2	50 Khabar
1.3.189.7.1.3	10 Maccab

Field Value	Description
1.3.189.7.2	Halter Type (coastal patrol craft)
1.3.189.7.3	Simmoneau 51 Type (inshore patrol craft)
1.3.189.7.4	Al Siddiq (fast attack craft-missile)
1.3.189.7.4.1	511 Al Siddiq
1.3.189.7.4.2	513 Al Farouq
1.3.189.7.4.3	515 Abdul Aziz
1.3.189.7.4.4	517 Faisal
1.3.189.7.4.5	519 Kahlid
1.3.189.7.4.6	521 Amyr
1.3.189.7.4.7	523 Taiq
1.3.189.7.4.8	525 Oqbah
1.3.189.7.4.9	527 Abu Abaidah
1.3.189.8	Mine Countermeasure/Ship Craft
1.3.189.8.1	Sandown Class (minehunters-coastal)
1.3.189.8.1.1	420 Al Jawf
1.3.189.8.1.2	422 Shaqra
1.3.189.8.1.3	424 Al Kharj
1.3.189.8.2	MSC 322 Class (minesweeper/hunter-coastal)
1.3.189.8.2.1	MSC 412 Addriyah
1.3.189.8.2.2	MSC 414 Al Quysumah
1.3.189.8.2.3	MSC 416 Al Wadeah
1.3.189.8.2.4	MSC 418 Safwa
1.3.189.16	Auxiliary
1.3.189.16.1	Mod Durance Class (replenishment ship)
1.3.189.16.1.1	902 Boraida
1.3.189.16.1.2	904 Yunbou
1.3.189.16.2	LCM 6 Class
1.3.189.16.2.1	220 Dheba
1.3.189.61	Non-Combatant Ship
1.3.189.61.1	Container class
1.3.189.61.1.1	Admai
1.3.189.61.1.2	Abu Mariam
1.3.189.61.2	Tanker class
1.3.189.61.2.1	Nur Al Jubail
1.3.189.61.2.2	Al Saudia
1.3.189.61.2.3	Al Widadia
1.3.189.61.2.4	Al-Zait Al-Araby 5
1.3.189.61.2.5	Adel

### 4.2.3.13. Kuwait Platform

#### 4.2.3.13.1. Air

Field Value	Description
1.2.121	
1.2.121.40	Trainer
1.2.121.40.1	Short Brothers :LC T.MK 52 Toucan
1.2.121.40.1.1	T.MK 52
1.2.121.40.2	Empresa Brasileira de Aeronautica SA EMB-312 Toucan
1.2.121.40.2.1	EMB-S312

#### 4.2.3.13.2. Surface

Field Value	Description
1.3.121	
1.3.121.7	Light/Patrol Craft
1.3.121.7.1	OPV 310 Class (large patrol craft)
1.3.121.7.1.1	P301 Inttisar
1.3.121.7.1.2	P302 Aman
1.3.121.7.1.3	P303 Maimom
1.3.121.7.1.4	P304 Mobark
1.3.121.7.2	TNC 45 Type (fast attack craft-missile)
1.3.121.7.2.1	P3404 Al Sanbouk
1.3.121.7.3	Simmoneau Standard 12 Class (inshore patrol craft)
1.3.121.7.4	FPB 57 Type (fast attack craft-missile)
1.3.121.7.4.1	P5702 Istiqlal
1.3.121.7.5	Cougar Type (inshore patrol craft)
1.3.121.7.6	Al-Shaali Type (inshore patrol craft)
1.3.121.7.7	UM Almaradim Class (PCFG)
1.3.121.7.7.1	P3711 Um Almaradim
1.3.121.16	Auxiliary
1.3.121.16.1	AL Tahaddy Class (LCM/AKL)
1.3.121.16.1.1	L401 AL Soumood
1.3.121.16.2	Support Ship (AG)
1.3.121.16.2.1	S5509 Qaruh
1.3.121.61	Non-Combatant Ship
1.3.121.61.1	Container class
1.3.121.61.1.1	Na Hai Fa Xian

Field Value	Description
1.3.121.61.2	Tanker class
1.3.121.61.2.1	Gas Al Mutlaa
1.3.121.61.2.2	Al Shuhadaa
1.3.121.61.2.3	Al Shegaya
1.3.121.61.2.3.4	Al Awdah
1.3.121.61.2.5	Al Bida

#### 4.2.3.14. Oman Platform

##### 4.2.3.14.1. Surface

Field Value	Description
1.3.164	
1.3.164.7	Light/Patrol Craft
1.3.164.7.1	Patrol Ship
1.3.164.7.1.1	A1 AL Mabrukak
1.3.164.7.2	AL Waafi (Brooke Marine) Class (fast attack craft-gun)
1.3.164.7.2.1	B4 AL Waafi
1.3.164.7.2.2	B5 AL Fulk
1.3.164.7.2.3	B6 AL Mujahid
1.3.164.7.2.4	B7 AL Jabbar
1.3.164.7.3	Seeb (Vosper 25) Class (inshore patrol craft)
1.3.164.7.3.1	B20 Seeb
1.3.164.7.3.2	B21 Shinas
1.3.164.7.3.3	B22 Sadh
1.3.164.7.3.4	B23 Khassab
1.3.164.7.4	Dhofar (Province) Class (fast attack craft-missile)
1.3.164.7.4.1	B10 Dhofar
1.3.164.7.4.2	B11 AL Sharqiyah
1.3.164.7.4.3	B12 AL Bat'nah
1.3.164.7.4.4	B14 Mussandam
1.3.164.7.5	Tyler-Vortex Type (inshore patrol craft)
1.3.164.7.5.1	Q2
1.3.164.11	Landing Craft
1.3.164.11.1	LCM
1.3.164.11.1.1	C8 Saba AL Bahr
1.3.164.11.1.2	C9 AL Doghas

Field Value	Description
1.3.164.11.1.3	C10 AL Temsah
1.3.164.11.2	LCU
1.3.164.11.2.1	C7 AL Neemran
1.3.164.50	Frigate (including Corvettes)
1.3.164.50.1	Qahir Class (FSG)
1.3.164.50.1.1	Q-31 Qahir Al Amwaj
1.3.164.55	Amphibious Cargo Ship
1.3.164.55.1	Landing Ship-Logistic
1.3.164.55.1.1	L2 Nasar AL Bahr
1.3.164.58	Combat Stores Ship
1.3.164.58.1	Supply Ship
1.3.164.58.1.1	A2 AL Sultana

#### 4.2.3.15. Lebanon Platform

##### 4.2.3.15.1. Surface

Field Value	Description
1.3.123	
1.3.123.7	Light/Patrol Craft
1.3.123.7.1	Tracker Mk2 (coastal patrol craft)
1.3.123.7.2	Aztec Class (coastal patrol craft)
1.3.123.61	Non-Combatant Ship
1.3.123.61.1	Container class
1.3.123.61.1.1	Perla

#### 4.2.3.16. Iraq Platform

##### 4.2.3.16.1. Land

Field Value	Description
1.1.102	
1.1.102.2	Armored Fighting Vehicle
1.1.102.2.1	EE-3 JARARACA



Field Value	Description
1.1.102.2.2	EE-9 CASCAVELEE - 11URUTRU
1.1.102.2.3	EE-11 URUTRU
1.1.102.4	Self-propelled Artillery
1.1.102.4.1	127 mm ASTROS II
1.1.102.4.2	262 mm ABABEEL
1.1.102.4.3	160 mm mortar
1.1.102.4.4	FAW 70 launcher
1.1.102.4.5	FAW 150 launcher
1.1.102.4.6	FAW 200 launcher

## 4.2.3.16.2. Air

Field Value	Description
1.2.102	
1.2.102.1	Fighter/Air Defense
1.2.102.8	Surveillance/C2 (Airborne Early Warning)
1.2.102.8.1	Iraqi Air Force Adnan I
1.2.102.8.1.1	Adnan I

## 4.2.3.16.3. Surface

Field Value	Description
1.3.102	
1.3.102.6	Guided Missile Frigate
1.3.102.6.6	Assad Class
1.3.102.6.6.1	F210 Mussa Ben Nussair
1.3.102.6.6.2	F212 Tariq Ibn Ziad
1.3.102.7	Light/Patrol Craft
1.3.102.7.1	Bogomol Class (large patrol craft)
1.3.102.7.2	PB 90 Class (coastal patrol craft)
1.3.102.7.3	Sawari Class (inshore patrol boat)
1.3.102.8	Mine Countermeasure Ship/Craft
1.3.102.8.1	Nestin Class (minesweeper-inshore)
1.3.102.16	Auxiliary
1.3.102.16.1	Transport Ship
1.3.102.16.1.1	426 Al Zahraa
1.3.102.16.1.2	428 Khawla
1.3.102.16.1.3	429 Balqees

Field Value	Description
1.3.102.16.2	Spasilac Class (salvage ship)
1.3.102.16.2.1	A81 Aka
1.3.102.16.3	Diving Tender
1.3.102.50	Frigate (including Corvette)
1.3.102.50.1	Yugoslav Type
1.3.102.50.1.1	507 Ibn Marjid
1.3.102.61	Non-combatant Ship
1.3.102.61.1	Container Class
1.3.102.61.2	Tanker Class
1.3.102.61.2.1	Al Thirthar
1.3.102.61.2.2	1 Athar
1.3.102.61.2.3	1 Hurizan
1.3.102.61.2.4	7 Nissan

#### 4.2.3.17. Iran Platform

##### 4.2.3.17.1. Land

Field Value	Description
1.1.101	
1.1.101.4	Self-propelled Artillery
1.1.101.4.1	320 mm OGHAB Multiple Rocket Launcher
1.1.101.4.2	330 mm SHAHIN Multiple Rocket Launcher
1.1.101.4.3	330 mm NAZEAT
1.1.101.4.4	Shahab TEL

##### 4.2.3.17.2. Surface

Field Value	Description
1.3.101	
1.3.101.5	Destroyer (DD)
1.3.101.5.5	Damavand
1.3.101.5.2	Babr
1.3.101.6	Guided Missile Frigate (FFG)
1.3.101.6.1	Avland (vosper Mk 5) Class
1.3.101.6.1.1	71 Alvand

Field Value	Description
1.3.101.6.1.2	72 Alborz
1.3.101.6.1.3	73 Sabalan
1.3.101.7	Light/Patrol Craft
1.3.101.7.1	Kaman (Combattante II) Class
1.3.101.7.1.1	P221 Kaman
1.3.101.7.1.2	P222 Zoubin
1.3.101.7.1.3	P223 Khadang
1.3.101.7.1.4	P226 Falakhon
1.3.101.7.1.5	P227 Shamshir
1.3.101.7.1.6	P228 Gorz
1.3.101.7.1.7	P229 Gardouneh
1.3.101.7.1.8	P230 Khanjar
1.3.101.7.1.9	P231 Neyzeh
1.3.101.7.1.10	P232 Tabarzin
1.3.101.7.2	Parvin (PGM-71) Class (large patrol craft)
1.3.101.7.2.1	211 Parvin
1.3.101.7.2.2	212 Bahram
1.3.101.7.2.3	213 Nahid
1.3.101.7.3	MK II Class (Coastal patrol craft)
1.3.101.7.4	MIG-S-1800 Class (coastal patrol craft)
1.3.101.7.5	MK III Class (coastal patrol craft)
1.3.101.7.6	MIG-G-1900 Class (coastal patrol craft)
1.3.101.7.7	PBI Type (coastal patrol craft)
1.3.101.7.8	Enforcer Type (inshore patrol craft)
1.3.101.7.9	Stewart Type (inshore patrol craft)
1.3.101.7.9.1	Mahnavi-Hamraz
1.3.101.7.9.2	Mahnavi-Vahedi
1.3.101.7.9.3	Mahnavi-Taheri
1.3.101.7.10	Boghammar Craft
1.3.101.7.11	Boston Whaler Craft (Type I)
1.3.101.7.12	HUDONG Class
1.3.101.7.12.1	P3131
1.3.101.7.12.2	P3132
1.3.101.7.12.3	P3133
1.3.101.7.12.4	P3134
1.3.101.7.12.5	P3135
1.3.101.7.12.6	P3136
1.3.101.7.12.7	P3137
1.3.101.7.12.8	P3138

Field Value	Description
1.3.101.7.12.9	P3139
1.3.101.7.12.10	P3140
1.3.101.7.13	TAEDONG
1.3.101.7.14	TIR
1.3.101.7.15	PEYKAAP WPT
1.3.101.7.16	BANDAR-A Corvette (FFL)
1.3.101.7.17	KASHDOM WPBG
1.3.101.7.18	MIG-S-2600 Class
1.3.101.7.19	CHINA CAT Class
1.3.101.7.20	ASHOORA I PBR
1.3.101.8	Mine Countermeasure Ship/Craft
1.3.101.8.1	Cape Class (minesweeper-inshore)
1.3.101.8.1.1	311 Harischi
1.3.101.8.1.2	312 Raizi
1.3.101.8.2	MSC 268/292 Class
1.3.101.10	Tank Landing Ship
1.3.101.10.1	Iran Air Class (LST)
1.3.101.10.1.1	Iran Asir
1.3.101.10.1.2	Iran Ghaydr
1.3.101.10.2	Iran Hormuz 24 Class (LST)
1.3.101.10.2.1	24-26
1.3.101.11	Landing Craft
1.3.101.11.1	Rotork Craft (LCU)
1.3.101.11.2	MIG-S-3700 Class (LCT)
1.3.101.11.3	Iran Hormuz 21 Class (LCT)
1.3.101.11.3.1	21-23
1.3.101.15	Air Cushion/Surface Effect
1.3.101.15.1	Winchester (SR. N6) Class (hovercraft)
1.3.101.15.1.1	01-08
1.3.101.15.2	Wellington (BH.7) Class (hovercraft)
1.3.101.15.2.1	101-106
1.3.101.16	Auxiliary
1.3.101.16.1	Replenishment Ship
1.3.101.16.1.1	431 Kharg
1.3.101.16.2	Hendijan Class (AG) (tenders)
1.3.101.16.2.1	Hendijan
1.3.101.16.2.2	Konarak
1.3.101.16.2.3	Sirik
1.3.101.16.2.4	Geno

Field Value	Description
1.3.101.16.2.5	Kalat
1.3.101.16.2.6	Genaveh
1.3.101.16.2.7	Savatar
1.3.101.16.2.8	Mogam
1.3.101.16.2.9	Rostani
1.3.101.16.2.10	Mayband
1.3.101.16.2.11	Maqam
1.3.101.16.2.12	Koramshahr
1.3.101.16.2.13	Bamregan
1.3.101.16.3	Kangan Class (water tanker)
1.3.101.16.3.1	411 Kangan
1.3.101.16.3.2	412 Teheri
1.3.101.16.3.3	xxx Shahid Marjani
1.3.101.16.3.4	xxx Amir
1.3.101.16.4	Delvar Class (support ship)
1.3.101.16.4.1	Chark (AK) (cargo)
1.3.101.16.4.2	Chiroo (AK) (cargo)
1.3.101.16.4.3	Souru (AK) (cargo)
1.3.101.16.4.4	Dilim (AW) (water)
1.3.101.16.4.5	Dayer (AW) (water)
1.3.101.50	Frigate (including Corvette)
1.3.101.50.1	Bayandor Class
1.3.101.55	Amphibious Cargo Ship
1.3.101.55.1	Hengam Class (LSL)
1.3.101.55.1.1	511 Hengam
1.3.101.55.1.2	512 Larak
1.3.101.55.1.3	513 Tonb
1.3.101.55.1.4	514 Lavan
1.3.101.57	Ammunition Ship
1.3.101.57.1	Delvar Class (support ship)
1.3.101.57.1.1	Delvar (AE)
1.3.101.57.1.2	Sirjan (AE)
1.3.101.58	Combat Stores Ship
1.3.101.58.1	Fleet Supply Ship
1.3.101.58.1.1	421 Bandar Abbas
1.3.101.58.1.2	422 Boushehr
1.3.101.61	Non-combatant Ship
1.3.101.61.1	Container Class
1.3.101.61.1.1	ADIR

Field Value	Description
1.3.101.61.1.2	IRAN ABOZAR
1.3.101.61.1.3	IRAN AKHAVAN
1.3.101.61.1.4	IRAN FALLAHI
1.3.101.61.1.5	IRAN TALEGHANI
1.3.101.61.1.6	IRAN SHARIATI

#### 4.2.3.17.3. Subsurface

Field Value	Description
1.4.101	
1.4.101.5	SS (Conventional, Attack-Torpedo, Patrol)
1.4.101.5.5	901 Tareq
1.4.101.5.2	902 Noor
1.4.101.7	SSA (Conventional Auxiliary)
1.4.101.7.1	Midget Submarine
1.4.101.7.1.1	Semi Submersible TAEDONG-B

### 4.2.3.18. Israel Platform

#### 4.2.3.18.1. Land

Field Value	Description
1.1.105	
1.1.105.4	Self-propelled Artillery
1.1.105.4.1	Gabriel Mk 1 launcher
1.1.105.4.2	Gabriel Mk 2 launcher
1.1.105.4.3	Gabriel Mk 3 launcher
1.1.105.4.4	Gabriel Mk LR launcher

#### 4.2.3.18.2. Air

Field Value	Description
1.2.105	
1.2.105.1	Fighter/Air Defense
1.2.105.1.1	(deleted)
1.2.105.1.2	Israel Aircraft Industries C-7 Kifr

Field Value	Description
1.2.105.1.2.1	C-7
1.2.105.1.3	I A I Lavi
1.2.105.4	Cargo/Tanker
1.2.105.4.1	(deleted)
1.2.105.4.2	(deleted)
1.2.105.4.3	Israel Aircraft Industries 707
1.2.105.4.3.1	707-320C
1.2.105.4.3.2	ARAVA IAI-202
1.2.105.8	Surveillance/C2 (Airborne Early Warning)
1.2.105.8.1	707
1.2.105.8.2	720
1.2.105.8.3	ARAVA IAI-201
1.2.105.21	Utility Helicopter
1.2.105.21.1	(deleted)
1.2.105.21.2	(deleted)
1.2.105.21.3	Bell Helicopter Textron Canada Ltd. Twin Two Twelve
1.2.105.23	Cargo Helicopter
1.2.105.23.1	Israel Aircraft Industries Yasur 2000
1.2.105.23.1.1	Yasur 2000
1.2.105.40	Trainer
1.2.105.40.1	Israel Aircraft Industries C-7 Kifr
1.2.105.40.1.1	TC-7
1.2.105.57	Non-Combatant Commercial Aircraft
1.2.105.57.1	Passenger Airline
1.2.105.57.1.1	Israel Aircraft Industries 1125 Astra SP

#### 4.2.3.18.3. Surface

Field Value	Description
1.3.105	
1.3.105.6	Guided Missile Frigate (FFG)
1.3.105.6.1	Eilat (Saar 5) Class (Corvette)
1.3.105.6.1.1	501 Eilat
1.3.105.6.1.2	503 Hanit
1.3.105.6.1.3	502 Lahav
1.3.105.7	Light/Patrol Craft
1.3.105.7.1	Aliya (Saar 4.5) (fast attack craft-missile)
1.3.105.7.1.1	Aliya
1.3.105.7.1.2	Geoula

Field Value	Description
1.3.105.7.2	Hetz (Saar 4.5) (fast attack craft-missile)
1.3.105.7.2.1	Romat
1.3.105.7.2.2	Keshet
1.3.105.7.2.3	Hetz
1.3.105.7.3	Mivtach (Saar 2) Class (fast attack craft-missile)
1.3.105.7.3.1	311 Mivtach
1.3.105.7.3.2	312 Miznag
1.3.105.7.3.3	313 Mifgav
1.3.105.7.3.4	321 Eilath
1.3.105.7.3.5	322 Haifa
1.3.105.7.3.6	323 Akko
1.3.105.7.4	Reshef (Saar 4) (fast attack craft-missile)
1.3.105.7.4.1	Reshef
1.3.105.7.4.2	Kidon
1.3.105.7.4.3	Tarshish
1.3.105.7.4.4	Yaffo
1.3.105.7.4.5	Nitzhon
1.3.105.7.4.6	Atsmount
1.3.105.7.4.7	Moledet
1.3.105.7.4.8	Komemiut
1.3.105.7.5	Super Dvora Class (fast attack craft-gun)
1.3.105.7.5.1	810-821
1.3.105.7.6	Dabur Class (coastal patrol craft)
1.3.105.7.7	Iquique (Saar3)
1.3.105.7.7.1	Iquique
1.3.105.11	Landing Craft
1.3.105.11.1	Ashdod Class (LCT)
1.3.105.11.1.1	61 Ashdod
1.3.105.11.1.2	63 Ashkelon
1.3.105.11.1.3	65 Achziv

#### 4.2.3.18.4. Subsurface

Field Value	Description
1.4.105	
1.4.105.4	SSG (Conventional Guided Missile)
1.4.105.4.1	Gal (Vickers Type 540) Class
1.4.105.4.1.1	Gal
1.4.105.4.1.2	Tanin



Field Value	Description
1.4.105.4.1.3	Rahav
1.4.105.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.105.5.1	Dolphin Type 800
1.4.105.5.1.1	Dolphin

#### 4.2.3.19. Jordan Platform

##### 4.2.3.19.1. Air

Field Value	Description
1.2.114	
1.2.114.2	Attack/Strike
1.2.114.2.2	Construcciones Aeronauticas CC-04 Aviojet
1.2.114.2.2.1	CC-04

##### 4.2.3.19.2. Surface

Field Value	Description
1.3.114	
1.3.114.7	Light/Patrol Craft
1.3.114.7.1	Faysal
1.3.114.7.1.1	Faysal
1.3.114.7.1.2	Han
1.3.114.7.1.3	Hasayu
1.3.114.7.1.4	Muhammed
1.3.114.7.2	AL Hussein (Hawk) Class (fast attack craft-gun)
1.3.114.7.2.1	101 AL Hussein
1.3.114.7.2.2	102 AL Hussan
1.3.114.7.2.3	103 Abdullah
1.3.114.11	Landing Craft
1.3.114.11.1	AL Hashim (Rotork) Class (LCU)
1.3.114.11.1.1	AL Hashim
1.3.114.11.1.2	AL Faisal
1.3.114.11.1.3	AL Hamza

### 4.2.3.20. Italy Platform

#### 4.2.3.20.1. Land

Field Value	Description
1.1.106	
1.1.106.1	Tank
1.1.106.1.1	Light Tank/Recon
1.1.106.1.1.1	Centauro B-1
1.1.106.2	Armored Fighting Vehicle
1.1.106.2.1	Armored Personnel Carrier (APC)
1.1.106.2.1.1	VCC 1/2
1.1.106.2.1.2	Fiat 6614
1.1.106.4	Self Propelled Artillery (guns and howitzers)
1.1.106.4.1	M-109G
1.1.106.4.2	M-109L
1.1.106.4.3	M-110A2
1.1.106.5	Towed Artillery (anti-tank guns, guns and howitzers)
1.1.106.5.1	Model 56 PACK
1.1.106.5.2	FH-70
1.1.106.5.3	(deleted)
1.1.106.10	Mortar
1.1.106.10.1	120 mm
1.1.106.10.2	81 mm
1.1.106.28	Air Defense/Missile Defense Unit Equipment
1.1.106.28.1	SPADA SAM System
1.1.106.28.1.1	Detection Center (DC)
1.1.106.28.1.1.1	Operational Control Center (OCC)
1.1.106.28.1.1.2	Search and Interrogation Radar (SIR)
1.1.106.28.1.2	SPADA Firing Section
1.1.106.28.1.2.1	Aspide 6-Round Missile Launcher
1.1.106.28.1.2.2	Tracking and Illumination Radar (TIR)

#### 4.2.3.20.2. Air

Field Value	Description
1.2.106	
1.2.106.1	Fighter/Air Defense
1.2.106.1.1	AMX

Field Value	Description
1.2.106.1.1.1	AMX-T
1.2.106.1.2	MB 339
1.2.106.1.3	MB-326
1.2.106.2	Attack/Strike
1.2.106.4	Cargo/Tanker
1.2.106.4.1	G-222
1.2.106.20	Attack Helicopter
1.2.106.20.1	Agusta Bell 412SP
1.2.106.21	Utility Helicopter
1.2.106.21.1	Agusta A139
1.2.106.21.2	Agusta-Bell 206B
1.2.106.21.3	Agusta-Bell 212
1.2.106.21.4	HA-3F
1.2.106.21.5	A-109
1.2.106.21.6	A-129
1.2.106.21.7	AB-205A
1.2.106.21.8	Agusta-Bell 214
1.2.106.22	Anti-submarine Warfare/Patrol Helicopter
1.2.106.22.1	Agusta Bell 212 ASW
1.2.106.22.2	AS-61
1.2.106.22.3	ASH-3H

#### 4.2.3.20.3. Surface

Field Value	Description
1.3.106	
1.3.106.1	Carrier
1.3.106.1.1	Luigi Einaudi Class (CV)
1.3.106.1.1.1	C552 Luigi Einaudi
1.3.106.2	Command Ship/Cruiser
1.3.106.2.1	C 550 Vittorio Veneto
1.3.106.4	Guided Missile Destroyer (DDG)
1.3.106.4.1	Audace class
1.3.106.4.1.1	D 550 Ardito
1.3.106.4.1.2	D 551 Audace
1.3.106.4.2	Animoso class
1.3.106.4.2.1	D 560 Luigi Durand De La Penne
1.3.106.4.2.2	D 561 Francisco Mimbelli
1.3.106.7	Light/Patrol Craft

Field Value	Description
1.3.106.7.1	Cassiopea Class (Offshore Patrol Vessels) (OPV)
1.3.106.7.1.1	P401 Cassiopea
1.3.106.8	Mine Countermeasure Ship/Craft
1.3.106.8.1	Gaeta Class
1.3.106.8.1.1	M5550 Lerici
1.3.106.8.1.2	M5551 Sapri
1.3.106.8.1.3	M5552 Milazzo
1.3.106.8.1.4	M5553 Viesta
1.3.106.8.1.5	M5554 Gaeta
1.3.106.8.1.6	M5555 Termoli
1.3.106.8.1.7	M5556 Alghero
1.3.106.8.1.8	M5557 Numana
1.3.106.8.1.9	M5558 Crotone
1.3.106.8.1.10	M5559 Viareggio
1.3.106.8.1.11	M5560 Chioggia
1.3.106.8.1.12	M5561 Rimini
1.3.106.8.2	Adjutant Class
1.3.106.8.2.1	M5504 Castagno
1.3.106.8.2.2	M5505 Cedro
1.3.106.8.2.3	M5509 Gelso
1.3.106.8.2.4	M5516 Platano
1.3.106.8.2.5	M5519 Mandorlo
1.3.106.12	Light Carrier
1.3.106.12.1	C551 Giuseppe Garibaldi
1.3.106.14	Hydrofoil
1.3.106.14.1	Sparviero Class (Hydrofoil-Missile)
1.3.106.14.1.1	P421 Nibbio
1.3.106.14.1.2	P422 Falcone
1.3.106.14.1.3	P423 Astore
1.3.106.14.1.4	P424 Grifone
1.3.106.14.1.5	P425 Cheppio
1.3.106.14.1.6	P426 Condor
1.3.106.16	Auxiliary
1.3.106.16.1	Etna Class (Replenishment Tanker)
1.3.106.16.1.1	Lieut Comdr Erminio Bagnasco
1.3.106.16.2	Stromboli Class
1.3.106.16.2.1	A5327 Stromboli
1.3.106.16.2.2	A5329 Vesuvio
1.3.106.16.3	Experimental Ship

Field Value	Description
1.3.106.16.3.1	A5325 Raffaele Rossetti
1.3.106.16.3.2	A5320 Vincenzo Martellotta
1.3.106.16.3.3	P492 Barbara
1.3.106.16.3.4	A5305 Murena
1.3.106.16.4	Barngat Class (Support Ship)
1.3.106.16.4.1	A5301 Pietro Cavezzali
1.3.106.16.5	MTC 1011 Class (Ramped Transport)
1.3.106.16.5.1	A5347 Gorgona
1.3.106.16.5.2	A5348 Tremiti
1.3.106.16.5.3	A5349 Capera
1.3.106.16.5.4	A5351 Pantelleria
1.3.106.16.5.5	A5352 Lipari
1.3.106.16.5.6	A5353 Capri
1.3.106.16.6	Pedretti Class (Commando Support Craft)
1.3.106.16.6.1	Y499 Alcide Pedretti
1.3.106.16.6.2	Y498 Mario Marino
1.3.106.16.7	Men 215 Class (LCVP)
1.3.106.16.7.1	MEN 215
1.3.106.16.7.2	MEN 216
1.3.106.16.8	SAR CRAFT (Air/Sea rescue)
1.3.106.16.8.1	Paolucci
1.3.106.16.9	Men 212 Class (TRV)
1.3.106.16.9.1	MEN 212
1.3.106.16.10	Ex-Us LCM
1.3.106.16.10.1	MTM 542
1.3.106.16.10.2	MTM 543
1.3.106.16.10.3	MTM 544
1.3.106.16.10.4	MTM 545
1.3.106.16.10.5	MTM 546
1.3.106.16.10.6	MTM 547
1.3.106.16.10.7	MTM 548
1.3.106.16.10.8	MTM 549
1.3.106.16.10.9	MTM 550
1.3.106.16.10.10	MTM 551
1.3.106.16.10.11	MTM 552
1.3.106.16.10.12	MTM 553
1.3.106.16.10.13	MTM 554
1.3.106.16.10.14	MTM 555
1.3.106.16.10.15	MTM 556

Field Value	Description
1.3.106.16.11	MTM 217 Class (LCMs)
1.3.106.16.11.1	MTM 217
1.3.106.16.11.2	MTM 218
1.3.106.16.11.3	MTM 219
1.3.106.16.11.4	MTM 220
1.3.106.16.11.5	MTM 221
1.3.106.16.11.6	MTM 222
1.3.106.16.11.7	MTM 223
1.3.106.16.11.8	MTM 224
1.3.106.16.11.9	MTM 225
1.3.106.16.11.10	MTM 226
1.3.106.16.11.11	MTM 227
1.3.106.16.12	US LCVF Type
1.3.106.16.12.1	MTP 9726
1.3.106.16.12.2	MTP 9731
1.3.106.16.12.3	MTP 9748
1.3.106.16.12.4	MTP 9749
1.3.106.16.12.5	MTP 9750
1.3.106.16.12.6	MTP 9751
1.3.106.16.13	MTP 96 Class (LCVP)
1.3.106.16.13.1	MTP 96
1.3.106.16.13.2	MTP 97
1.3.106.16.13.3	MTP 98
1.3.106.16.13.4	MTP 99
1.3.106.16.13.5	MTP 100
1.3.106.16.13.6	MTP 101
1.3.106.16.13.7	MTP 102
1.3.106.16.13.8	MTP 103
1.3.106.16.13.9	MTP 104
1.3.106.16.13.10	MTP 105
1.3.106.16.13.11	MTP 106
1.3.106.16.13.12	MTP 107
1.3.106.16.14	Harbor Tanker
1.3.106.16.14.1	GRS Type
1.3.106.16.15	Training Ship
1.3.106.16.15.1	A5312 Amerigo Vespucci
1.3.106.16.15.2	A5311 Palinuro
1.3.106.16.15.3	A5378 Aragosta
1.3.106.16.15.4	A5379 Astice

Field Value	Description
1.3.106.16.15.5	A5380 Mitilo
1.3.106.16.15.6	A5381 Polipo
1.3.106.16.15.7	A5382 Porpora
1.3.106.16.15.8	A5308 Alloro
1.3.106.16.15.9	A5302 Caroly
1.3.106.16.15.10	A5313 Stella Polare
1.3.106.16.15.11	A5316 Corsaro II
1.3.106.16.15.12	Cristoforo Colombo II
1.3.106.16.16	Salvage Ship
1.3.106.16.16.1	A5310 Proteo
1.3.106.16.16.2	A5309 Anteo
1.3.106.16.17	Lighthouse Tender
1.3.106.16.17.1	A5364 Ponza
1.3.106.16.17.2	A5366 Levanzo
1.3.106.16.17.3	A5367 Tavolara
1.3.106.16.17.4	A5368 Palmaria
1.3.106.16.17.5	A5383 Procida
1.3.106.16.18	Repair Craft (LCT 3 Type)
1.3.106.16.18.1	A5331 MOC 1201
1.3.106.16.18.2	A5332 MOC 1202
1.3.106.16.18.3	A5333 MOC 1203
1.3.106.16.18.4	A5334 MOC 1204
1.3.106.16.18.5	A5335 MOC 1205
1.3.106.16.19	Ferry
1.3.106.16.19.1	Tarantola
1.3.106.16.20	Water Carrier
1.3.106.16.20.1	A5354 Piave
1.3.106.16.20.2	A5356 Basento
1.3.106.16.20.3	A5357 Bradano
1.3.106.16.20.4	A5358 Brenta
1.3.106.16.20.5	A5359 Bormida
1.3.106.16.21	Water Carrier Tug
1.3.106.16.21.1	A5370 MCC 1101
1.3.106.16.21.2	A5371 MCC 1102
1.3.106.16.21.3	A5372 MCC 1103
1.3.106.16.21.4	A5373 MCC 1104
1.3.106.16.22	Tug
1.3.106.16.22.1	A5319 Ciclope
1.3.106.16.22.2	A5324 Titano

Field Value	Description
1.3.106.16.22.3	A5325 Polifemo
1.3.106.16.22.4	A5328 Gigante
1.3.106.16.22.5	A5330 Saturno
1.3.106.16.22.6	A5365 Tenace
1.3.106.16.22.7	A5317 Atlante
1.3.106.16.22.8	A5318 Prometeo
1.3.106.16.23	Coastal Tug
1.3.106.16.23.1	Y421 Porto Empedocle
1.3.106.16.23.2	Y422 Porto Pisano
1.3.106.16.23.3	Y423 Porto Conte
1.3.106.16.23.4	Y425 Porto Ferraio
1.3.106.16.23.5	Y426 Porto Venere
1.3.106.16.23.6	Y413 Porto Fossone
1.3.106.16.23.7	Y416 Porto Torres
1.3.106.16.23.8	Y417 Porto Corsini
1.3.106.16.23.9	Y436 Porto D'ischia
1.3.106.16.23.10	Y443 Riva Trigoso
1.3.106.16.23.11	Y428 Porto Salvo
1.3.106.16.24	Harbour Tug
1.3.106.16.24.1	Y403 RP 101
1.3.106.16.24.2	Y404 RP 102
1.3.106.16.24.3	Y406 RP 103
1.3.106.16.24.4	Y407 RP 104
1.3.106.16.24.5	Y408 RP 105
1.3.106.16.24.6	Y410 RP 106
1.3.106.16.24.7	Y452 RP 108
1.3.106.16.24.8	Y456 RP 109
1.3.106.16.24.9	Y458 RP 110
1.3.106.16.24.10	Y460 RP 111
1.3.106.16.24.11	Y462 RP 112
1.3.106.16.24.12	Y463 RP 113
1.3.106.16.24.13	Y464 RP 114
1.3.106.16.24.14	Y465 RP 115
1.3.106.16.24.15	Y466 RP 116
1.3.106.16.24.16	Y468 RP 118
1.3.106.16.24.17	Y470 RP 119
1.3.106.16.24.18	Y471 RP 120
1.3.106.16.24.19	RP 121
1.3.106.16.24.20	Y473 RP 122



Field Value	Description
1.3.106.16.24.21	Y467 RP 123
1.3.106.16.24.22	Y477 RP 124
1.3.106.16.24.23	Y478 RP 125
1.3.106.16.24.24	Y479 RP 126
1.3.106.16.24.25	Y480 RP 127
1.3.106.16.24.26	Y481 RP 128
1.3.106.16.24.27	Y482 RP 129
1.3.106.16.24.28	Y483 RP 130
1.3.106.16.24.29	Y484 RP 131
1.3.106.16.24.30	Y485 RP 132
1.3.106.16.24.31	Y486 RP 133
1.3.106.16.24.32	Y487 RP 134
1.3.106.16.25	(deleted)
1.3.106.16.26	Floating Dock
1.3.106.16.26.1	GO 1
1.3.106.16.26.2	GO 5
1.3.106.16.26.3	GO 8
1.3.106.16.26.4	GO 10
1.3.106.16.26.5	GO 11
1.3.106.16.26.6	GO 17
1.3.106.16.26.7	GO 18A
1.3.106.16.26.8	GO 18B
1.3.106.16.26.9	GO 20
1.3.106.16.26.10	GO 22
1.3.106.16.26.11	GO 23
1.3.106.16.26.12	GO 51
1.3.106.16.26.13	GO 52
1.3.106.16.26.14	GO 53
1.3.106.16.27	Guardia Costiera-Capitaneria Di porto (Coast Guard)
1.3.106.16.27.1	CP 406
1.3.106.16.27.2	CP 251
1.3.106.16.28	Servizio Navale Carabinieri
1.3.106.16.28.1	S500
1.3.106.16.28.2	S400
1.3.106.16.29	Servizio Navale Guardia Di Finanza
1.3.106.16.29.1	Gian Maria Paolini
1.3.106.16.30	Antonio Zara Class
1.3.106.16.30.1	Antonio Zara P 01
1.3.106.16.30.2	Vezzari P 02

Field Value	Description
1.3.106.16.31	Corrubia & Bigliani Classes
1.3.106.16.31.1	Bigliani G 80
1.3.106.16.31.2	Cavaglia G 81
1.3.106.16.31.3	Corrubia G 90
1.3.106.16.31.4	Guidice G 91
1.3.106.16.32	Alpino Class (MCS)
1.3.106.16.32.1	A5384 Alpino
1.3.106.17	Auxiliary, Merchant Marine
1.3.106.17.1	A5303 Ammiraglio Magnaghi
1.3.106.17.2	A5306 Mirto
1.3.106.17.3	A5307 Pioppo
1.3.106.18	Utility
1.3.106.18.1	Cassiopea Class
1.3.106.18.1.1	P401 Cassiopea
1.3.106.18.1.2	P402 Libra
1.3.106.18.1.3	P403 Spica
1.3.106.18.1.4	P404 Vega
1.3.106.18.2	Agave Class
1.3.106.18.2.1	P495 Bambu
1.3.106.18.2.2	P496 Mango
1.3.106.18.2.3	P497 Mogano
1.3.106.18.2.4	P500 Palma
1.3.106.18.3	Aggressive Class
1.3.106.18.3.1	Storione
1.3.106.18.3.2	Squalo
1.3.106.50	Frigate (including Corvette)
1.3.106.50.1	Alpino class
1.3.106.50.1.1	F 580 Alpino
1.3.106.50.1.2	F 581 Carabiniere
1.3.106.50.2	Maestrale class
1.3.106.50.2.1	F 570 Maestrale
1.3.106.50.2.2	F 571 Gricale
1.3.106.50.2.3	F 572 Libeccio
1.3.106.50.2.4	F 573 Scirocco
1.3.106.50.2.5	F 574 Aliseo
1.3.106.50.2.6	F 575 Euro
1.3.106.50.2.7	F 576 Espero
1.3.106.50.2.8	F 577 Zeffiro
1.3.106.50.3	Lupo class

Field Value	Description
1.3.106.50.3.1	F 564 Lupo
1.3.106.50.3.2	F 565 Sagittario
1.3.106.50.3.3	F 566 Perseo
1.3.106.50.3.4	F 567 Orsa
1.3.106.50.4	Artigliere (Lupo) class
1.3.106.50.4.1	F 582 Artigliere
1.3.106.50.4.2	F 583 Aviere
1.3.106.50.4.3	F 584 Bersagliere
1.3.106.50.4.4	F 585 Granatiere
1.3.106.50.5	Minerva class
1.3.106.50.5.1	F 551 Minerva
1.3.106.50.5.2	F 552 Urania
1.3.106.50.5.3	F 553 Danaide
1.3.106.50.5.4	F 554 Sfinge
1.3.106.50.5.5	F 555 Driade
1.3.106.50.5.6	F 556 Chimera
1.3.106.50.5.7	F 557 Fenice
1.3.106.50.5.8	F 558 Sibella
1.3.106.50.6	De Cristofaro class
1.3.106.50.6.1	F 550 Salvatore Todaro
1.3.106.56	Amphibious Transport Dock
1.3.106.56.1	San Giorgio Class (LPDs)
1.3.106.56.1.1	L9892 San Giorgio
1.3.106.56.1.2	L9893 San Marco
1.3.106.56.1.3	L9894 San Giusto
1.3.106.61	Non-Combatant Ship
1.3.106.61.1	Container class
1.3.106.61.1.1	Bulkignazio
1.3.106.61.1.2	Bulk Genova
1.3.106.61.2	Tanker class
1.3.106.61.2.1	Eco Europa
1.3.106.61.2.2	Pantelleria
1.3.106.61.2.3	Agip Siracusa

#### 4.2.3.20.4. Subsurface

Field Value	Description
1.4.106	
1.4.106.5	SS (Conventional Attack-Torpedo, Patrol)

Field Value	Description
1.4.106.5.5	Improved Sauro Class
1.4.106.5.5.1	S 522 Salvatore Pelosi
1.4.106.5.5.2	S 523 Giuliano Prini
1.4.106.5.5.3	S 524 Primo Longobrado
1.4.106.5.5.4	S 525 Gazzana Priaroggia
1.4.106.5.2	Sauro Class (1081 Type)
1.4.106.5.2.1	S 518 Nazario Sauro
1.4.106.5.2.2	S 519 Fecia Di Cossato
1.4.106.5.2.3	S 520 Leonardo Da Vinci
1.4.106.5.2.4	S 521 Guglielmo Marconi
1.4.106.5.3	Toti Class (1075 class)
1.4.106.5.3.1	S 506 Enrico Toti
1.4.106.5.3.2	S 513 Enrico Dandolo
1.4.106.5.4	Type 212A SSK
1.4.106.5.4.1	Salvatore Todaro

#### 4.2.3.21. Bahrain Platform

##### 4.2.3.21.1. Surface

Field Value	Description
1.3.16	
1.3.16.7	Light/Patrol Craft
1.3.16.7.1	AL Manama (FPB 62) Class (fast attack craft-missile)
1.3.16.7.1.1	50 AL Manama
1.3.16.7.1.2	51 AL Muharraq
1.3.16.7.2	Almad EL Fateh (FPB 45) Class (fast attack craft-missile)
1.3.16.7.2.1	20 Admad El Fateh
1.3.16.7.2.2	21 Al Jabiri
1.3.16.7.2.3	22 Abdul Rahman AL Fadel
1.3.16.7.2.4	23 Al Taweelah
1.3.16.7.3	AL Riffa (FPB 38) Class (fast attack craft-gun)
1.3.16.7.3.1	10 AL Riffa
1.3.16.7.3.2	11 Hawar
1.3.16.7.4	AL Jarim (FPB 20) Class (fast attack craft-gun)
1.3.16.7.4.1	30 AL Jarim
1.3.16.7.4.2	31 AL Jasrah

Field Value	Description
1.3.16.16	Auxiliary
1.3.16.16.1	Support Ship
1.3.16.16.1.1	41 Ajeera
1.3.16.16.1.2	42 Mashtan
1.3.16.16.1.3	43 Rubodh
1.3.16.16.1.4	44 Suwad

#### 4.2.3.22. United Arab Emirates Platform

##### 4.2.3.22.1. Surface

Field Value	Description
1.3.223	
1.3.223.6	Guided Missile Frigate (FFG)
1.3.223.6.1	Muray Jip (Lurssen 62) Class (Corvette)
1.3.223.6.1.1	P6501 Muray Jip
1.3.223.6.1.2	P6502 Das
1.3.223.7	Light/Patrol Craft
1.3.223.7.1	Kawkab Class (coastal patrol craft)
1.3.223.7.1.1	P561 Kawkab
1.3.223.7.1.2	P562 Thoaban
1.3.223.7.1.3	P563 Bani Yas
1.3.223.7.2	Murbarraz Class (fast attack craft-missile)
1.3.223.7.2.1	P4401 Murbarraz
1.3.223.7.2.2	P4402 Makasib
1.3.223.7.3	Ban Yas (Lurssen TNC 45) Class (fast attack craft-missile)
1.3.223.7.3.1	P4501 Ban Yas
1.3.223.7.3.2	P4502 Marban
1.3.223.7.3.3	P4503 Rodqm
1.3.223.7.3.4	P4504 Shaheen
1.3.223.7.3.5	P4505 Sagar
1.3.223.7.3.6	P4506 Tarif
1.3.223.7.4	Ardhana Class (large patrol craft)
1.3.223.7.4.1	P1101 Ardana
1.3.223.7.4.2	P1102 Zurara
1.3.223.7.4.3	P1103 Murban
1.3.223.7.4.4	P1104 Al Ghullan

Field Value	Description
1.3.223.7.4.5	P1105 Radoom
1.3.223.7.4.6	P1105 Ghanadhah
1.3.223.10	Tank Landing Ship
1.3.223.10.1	LSL/LST
1.3.223.10.1.1	L5401 Al Feyi
1.3.223.10.1.2	L5402 Jananah
1.3.223.10.1.3	L5403 Dayyinah
1.3.223.11	Landing Craft
1.3.223.11.1	LCM
1.3.223.11.1.1	Ghagha II
1.3.223.16	Auxiliary
1.3.223.16.1	Cheverton Type (Tender)
1.3.223.16.1.1	A271
1.3.223.16.1.2	A272
1.3.223.16.2	Diving Tender
1.3.223.16.2.1	D1051
1.3.223.16.3	Support Craft
1.3.223.16.3.1	Baracuda
1.3.223.61	Non-combatant Ship
1.3.223.61.1	Container Class
1.3.223.61.1.1	Julphara
1.3.223.61.2	Tanker Class
1.3.223.61.2.1	Al Dhabiyah
1.3.223.61.2.2	Al Dhibyaniyyah
1.3.223.61.2.3	Al Markhaniya

### 4.2.3.23. Yemen Platform

#### 4.2.3.23.1. Surface

Field Value	Description
1.3.237	
1.3.237.7	Light/Patrol Craft
1.3.237.7.7	Broadsword Class (coastal patrol craft)
1.3.237.7.7.1	141 26 September
1.3.237.7.7.2	142 Ramadan
1.3.237.7.7.3	143 Sana's

Field Value	Description
1.3.237.7.2	Baklan Class (PCF)
1.3.237.7.2.1	1201 Baklan
1.3.237.16	Auxiliary
1.3.237.16.1	Toplivo Class
1.3.237.16.1.1	135 (tanker-water)
1.3.237.16.1.2	140 (tanker-oil)
1.3.237.61	Non-combatant Ship
1.3.237.61.1	Container Class
1.3.237.61.1.1	Kedah Cement I
1.3.237.61.2	Tanker
1.3.237.61.2.1	Abc Al-Rodha

#### 4.2.3.24. Argentina Platform

##### 4.2.3.24.1. Surface

Field Value	Description
1.3.10	
1.3.10.4	Guided Missile Destroyer
1.3.10.4.1	Almirante Brown (Meko 360)
1.3.10.16	Auxiliary
1.3.10.16.1	Costa Sur
1.3.10.16.2	Puerto Deseado

##### 4.2.3.24.2. Subsurface

Field Value	Description
1.4.10	
1.4.10.5	SS (Conventional Attack - Torpedo, Patrol
1.4.10.5.1	Santa Cruz (TR 1700) Class (SS)

#### 4.2.3.25. Belgium Platform

## 4.2.3.25.1. Surface

Field Value	Description
1.3.21	
1.3.21.50	Frigate (including Corvette)
1.3.21.50.1	Wielingen Class (FF)

## 4.2.3.26. Canada Platform

## 4.2.3.26.1. Air

Field Value	Description
1.2.39	
1.2.39.4	Cargo/Tanker
1.2.39.4.1	CC144 Challenger
1.2.39.5	ASW/Patrol/Observation
1.2.39.5.1	(deleted)
1.2.39.5.2	CP144 Challenger
1.2.39.6	Electronic Warfare (EW)
1.2.39.6.1	CE144 Challenger
1.2.39.22	Antisubmarine Warfare/Patrol Helicopter
1.2.39.22.1	CH-124 (HELO)
1.2.39.57	Non-combatant Commercial Aircraft
1.2.39.57.1	Passenger Airline
1.2.39.57.1.1	DASH-8

## 4.2.3.26.2. Surface

Field Value	Description
1.3.39	
1.3.39.4	Guided Missile Destroyer (DDG)
1.3.39.4.1	Iroquis Class (DDG)
1.3.39.6	Guided Missile Frigate (FFG)
1.3.39.6.1	Halifax Class (FFG)
1.3.39.16	Auxiliary
1.3.39.16.1	Provider Class (AOR)
1.3.39.50	Frigate (including Corvette)
1.3.39.50.1	Annapolis Class (FF)



Field Value	Description
1.3.39.50.2	Restigouche Class (FF)

#### 4.2.3.27. Denmark Platform

##### 4.2.3.27.1. Surface

Field Value	Description
1.3.57	
1.3.57.57	Light/ Patrol Craft
1.3.57.57.1	Willemoes Class
1.3.57.61	Non-Combatant Ship
1.3.57.61.1	Container class
1.3.57.61.1.1	Lindo Maersk

#### 4.2.3.28. Egypt Platform

##### 4.2.3.28.1. Surface

Field Value	Description
1.3.62	
1.3.62.5	Destroyer
1.3.62.5.1	Z Class (DD)
1.3.62.5.1.1	921 El Fateh
1.3.62.6	Guided Missile Frigates
1.3.62.6.1	Descubierta Class (FFG)
1.3.62.6.1.1	F946 Abu Qir
1.3.62.6.2	Jianghu I Class (FFG)
1.3.62.6.2.1	951 Najim Al Zaffer
1.3.62.7	Light/Patrol Craft
1.3.62.7.1	Ramadan Class
1.3.62.61	Non-combatant Ship
1.3.62.61.1	Container Class
1.3.62.61.1.1	Abydos
1.3.62.61.1.2	Esna

Field Value	Description
1.3.62.61.2	Tanker Class
1.3.62.61.2.1	Al Sharifa II
1.3.62.61.2.2	Abu Khalid

#### 4.2.3.28.2. Subsurface

Field Value	Description
1.4.62	
1.4.62.5	SS (Conventional Attack-Torpedo Patrol)
1.4.62.5.1	Improved Romeo Class (Type 033) (SSK)
1.4.62.5.1.1	849

### 4.2.3.29. India Platform

#### 4.2.3.29.1. Air

Field Value	Description
1.2.99	
1.2.99.2	Attack/Strike
1.2.99.2.1	HAL Jaguar
1.2.99.2.2	HAL Kiran Mk II
1.2.99.21	Utility Helicopter
1.2.99.21.1	HAL SA 316 Alouette III

#### 4.2.3.29.2. Surface

Field Value	Description
1.3.99	
1.3.99.4	Guided Missile Destroyer (DDG)
1.3.99.4.1	Delhi Class
1.3.99.4.2	Rajput Class
1.3.99.6	Guided Missile Frigate (FFG)
1.3.99.6.1	Godavari Class
1.3.99.6.2	Talwar (Type 1135.6/Project 17) Class (FFG)
1.3.99.6.2.1	Talwar
1.3.99.6.3	Brahmaputra Class (FFG)

Field Value	Description
1.3.99.6.3.1	F31 Brahmaputra
1.3.99.7	Light/Patrol Craft(PC)
1.3.99.7.1	Sukanya Class
1.3.99.7.2	Samar Class
1.3.99.7.3	Abhay (Pauk II) Class (FS)
1.3.99.7.3.1	P33 Abhay
1.3.99.7.4	Durg (Nanuchka II) Class (FSG)
1.3.99.7.4.1	K72 Sindhudurg
1.3.99.7.5	SDB Mk 3/T 60 Class (Large Patrol Craft) (PC)
1.3.99.7.5.1	Y61 Trinkat
1.3.99.7.6	Super Dvora MkII Class (PFC)
1.3.99.7.6.1	T80
1.3.99.8	Mine Countermeasure Ship/Craft
1.3.99.8.1	Mahe (Yevgenya) Class (Type 1258)
1.3.99.8.1.1	M83 Mahe
1.3.99.16	Auxiliary
1.3.99.16.1	Deepak Class (Replenishment Tanker) ( AOR)
1.3.99.16.1.1	A57 Shakti
1.3.99.16.2	Jyoti Class (Replenishment Tanker ) (AOR)
1.3.99.16.2.1	A58 Jyoti
1.3.99.16.3	Aditya Class (Replenishment and Repair Ship) (AOR/AR)
1.3.99.16.3.1	A59 Aditya
1.3.99.16.4	Support Tanker (AOTL)
1.3.99.16.4.1	Poshak
1.3.99.16.5	Transport Ship (AP)
1.3.99.16.5.1	Nicobar
1.3.99.50	Frigate (including Corvette)
1.3.99.50.1	Khukri Class
1.3.99.50.2	Kora Class (Project 25A) ( FSG)
1.3.99.50.2.1	P61 Kora
1.3.99.54	Amphibious Assault Ship
1.3.99.54.1	Magar Class (LST)
1.3.99.54.1.1	L20 Magar
1.3.99.54.2	Mk 3 Landing Craft (LCU/LSM)
1.3.99.54.2.1	L34 Vasco Da Gama
1.3.99.61	Non-Combatant Ship
1.3.99.61.1	Container class
1.3.99.61.1.1	Pearl Grace
1.3.99.61.1.2	Aditya Gaurav

Field Value	Description
1.3.99.61.1.3	Aditya Gautam
1.3.99.61.1.4	Aditya Gopal
1.3.99.61.1.5	Aditya Prakash
1.3.99.61.1.6	Fomento Sharad
1.3.99.61.1.7	ICL Parthibhan
1.3.99.61.2	Tanker class
1.3.99.61.2.1	Ankleshwar
1.3.99.61.2.2	Annapurna
1.3.99.61.2.3	Jag Leela
1.3.99.61.2.4	Abul Kalam Azad
1.3.99.61.2.5	Aditya Vikram

#### 4.2.3.30. Japan Platform

##### 4.2.3.30.1. Land

Field Value	Description
1.1.110	
1.1.110.4	Self-propelled Artillery
1.1.110.4.1	SSM-1A/1B (type 88/90) launcher

##### 4.2.3.30.2. Surface

Field Value	Description
1.3.110	
1.3.110.4	Guided Missile Destroyer (DDG)
1.3.110.4.1	Kongo Class (DDG)
1.3.110.4.2	Tachikaze Class (DDG)
1.3.110.4.3	Hatakaze Class (DDG)
1.3.110.5	Destroyer (DD)
1.3.110.5.1	Shirane Class (DD)
1.3.110.5.2	Haruna Class (DD)
1.3.110.5.3	Asagiri Class (DD)
1.3.110.5.4	Hatsuyuki Class (DD)
1.3.110.5.5	Minegumo Class (DD)
1.3.110.5.6	Takasuki Class (DD)

Field Value	Description
1.3.110.5.7	Yamagumo Class (DD)
1.3.110.5.8	Murasame Class
1.3.110.8	Mine Countermeasure Ship/Craft
1.3.110.8.1	(deleted)
1.3.110.8.2	Hatsushima Class (Minesweeper)
1.3.110.50	Frigate (including Corvette)
1.3.110.50.1	Abukuma Class (FF)
1.3.110.50.2	Yubari Class (FF)
1.3.110.50.3	Chikugo Class (FF)
1.3.110.61	Non-Combatant Ship
1.3.110.61.1	Supertanker
1.3.110.61.1.1	Kota Mutiara

#### 4.2.3.30.3. Subsurface

Field Value	Description
1.4.110	
1.4.110.5	SS (Conventional Attack-Torpedo Patrol)
1.4.110.5.5	Harushio Class (SS)
1.4.110.5.2	Yuushio Class (SS)
1.4.110.5.3	Uzushio Class (SS)
1.4.110.5.4	Oyashio Class

### 4.2.3.31. Libya Platform

#### 4.2.3.31.1. Surface

Field Value	Description
1.3.126	
1.3.126.6	Guided Missile Frigate (FFG)
1.3.126.6.6	Dat Assawari
1.3.126.7	Light/Patrol Craft (PC)
1.3.126.7.1	Combattante 2 G Class
1.3.126.7.1.1	Laheeb
1.3.126.7.1.2	Shafak
1.3.126.50	Frigate(including Corvette)

Field Value	Description
1.3.126.50.1	Assad Class
1.3.126.50.1.1	Assad AL BIHAR
1.3.126.50.1.2	Assad ELTOUGOUR
1.3.126.50.1.3	Assad AL KHALI
1.3.126.50.1.4	Assad AL HUDUD

#### 4.2.3.32. Netherlands Platform

##### 4.2.3.32.1. Land

Field Value	Description
1.1.153	
1.1.153.23	Warning System
1.1.153.23.1	CRC
1.1.153.23.1.1	CRC (NL)

##### 4.2.3.32.2. Air

Field Value	Description
1.2.153	
1.2.153.4	Cargo/Tanker
1.2.153.4.1	Fokker F27
1.2.153.21	Utility Helicopter
1.2.153.21.1	SH 14 (Mk27 Lynx)

##### 4.2.3.32.3. Surface

Field Value	Description
1.3.153	
1.3.153.6	Guided Missile Frigate (FFG)
1.3.153.6.1	Tromp Class
1.3.153.6.2	Kortenaer Class
1.3.153.6.3	Jacob Van Heemskerck Class
1.3.153.16	Auxiliary
1.3.153.16.1	A20 Moawin (ex. Poolster) Pakistan
1.3.153.16.2	Amsterdam

Field Value	Description
1.3.153.16.3	Tanker (AOT)
1.3.153.16.3.1	A40 Attock

#### 4.2.3.32.4. Subsurface

Field Value	Description
1.4.153	
1.4.153.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.153.5.1	Walrus Class
1.4.153.5.2	Hai Lung Class
1.4.153.5.2.1	793 Hai Lung (Taiwan)
1.4.153.5.2.2	794 Hai Hu (Taiwan)

### 4.2.3.33. Norway Platform

#### 4.2.3.33.1. Land

Field Value	Description
1.1.163	
1.1.163.4	Self-propelled Artillery
1.1.163.4.1	Penguin Mk 2 launcher

#### 4.2.3.33.2. Surface

Field Value	Description
1.3.163	
1.3.163.7	Light/Patrol Craft
1.3.163.7.1	Snogg Class
1.3.163.7.2	Hauk Class
1.3.163.7.2.1	Hauk
1.3.163.7.2.2	Orn
1.3.163.7.2.3	Terne
1.3.163.7.2.4	Tjeld
1.3.163.7.2.5	Skarv
1.3.163.7.2.6	Teist
1.3.163.7.2.7	Jo

Field Value	Description
1.3.163.7.2.8	Lom
1.3.163.7.2.9	Stegg
1.3.163.7.2.10	Falk
1.3.163.7.2.11	Ravn
1.3.163.7.2.12	Gribb
1.3.163.7.2.13	Geir
1.3.163.7.2.14	Erle
1.3.163.8	Mine Countermeasure Ship/Craft
1.3.163.8.1	Vidar Class
1.3.163.50	Frigate (including Corvette)
1.3.163.50.1	Oslo Class
1.3.163.61	Non-combatant Ship
1.3.163.61.1	Container Class
1.3.163.61.1.1	Amber Fin
1.3.163.61.2	Tanker Class
1.3.163.61.2.1	Berge Sisar
1.3.163.61.2.2	Bow Century
1.3.163.61.2.3	Hebris
1.3.163.61.2.4	Norgas Energy
1.3.163.61.2.5	Sitalene
1.3.163.61.2.6	Solviken

#### 4.2.3.33.3. Subsurface

Field Value	Description
1.4.163	
1.4.163.5	SS(Conventional Attack-Torpedo Patrol)
1.4.163.5.1	(deleted)
1.4.163.5.2	S300 Ula

#### 4.2.3.34. Spain Platform

##### 4.2.3.34.1. Air

Field Value	Description
1.2.198	



Field Value	Description
1.2.198.4	Cargo/Tanker
1.2.198.4.1	CASA C-212

## 4.2.3.34.2. Surface

Field Value	Description
1.3.198	
1.3.198.1	Carrier
1.3.198.1.1	Principe De Asturias Class (CVS)
1.3.198.1.1.1	R11 Principe De Asturias
1.3.198.6	Guided Missile Frigate (FFG)
1.3.198.6.1	Baleares Class
1.3.198.6.2	Alvaro De Bazan Class (FFG)
1.3.198.6.2.1	F101 Alvaro De Bazan
1.3.198.6.3	Santa Maria Class (FFG)
1.3.198.6.3.1	F81 Santa Maria
1.3.198.7	Light/Patrol Craft
1.3.198.7.1	Barcelo Class
1.3.198.7.2	Serviola Class
1.3.198.7.2.1	P71 Serviola
1.3.198.7.3	Conejera Class (Coastal Patrol)
1.3.198.7.3.1	P31 Conejera
1.3.198.7.4	Anaga Class
1.3.198.7.4.1	P21 Anaga
1.3.198.7.5	Toralla Class (Coastal Patrol Craft) ( PC)
1.3.198.7.5.1	P81 Tortalla
1.3.198.8	Mine Countermeasure Ship
1.3.198.8.1	Segura Class (Minehunters) (MHC)
1.3.198.8.1.1	M31 Segura
1.3.198.8.2	Adjutant, Redwing and MSC 268 Class
1.3.198.8.2.1	M22 Ebro
1.3.198.16	Auxiliry
1.3.198.16.1	Patino Class (Fleet Logistic Tanker) (AOR)
1.3.198.16.1.1	A14 Patino
1.3.198.16.2	Transport Ship (AP)
1.3.198.16.2.1	A04 Martin Posadillo
1.3.198.50	Frigate (including Corvette)
1.3.198.50.1	Descubierto Class
1.3.198.56	Amphibious Transport Dock

Field Value	Description
1.3.198.56.1	Galicja Class (LPD)
1.3.198.56.1.1	L51 Galicja

### 4.2.3.35. Switzerland Platform

#### 4.2.3.35.1. Land

Field Value	Description
1.1.206	
1.1.206.5	Towed Artillery
1.1.206.5.1	NORICUM GH N-45 155mm gun-howitzer
1.1.206.28	Air Defense/Missile Defense Unit Equipment
1.1.206.28.1	Towed VSHORAD Gun/Missile System
1.1.206.28.1.1	Oerlikon-Contraves 35mm
1.1.206.28.1.1.1	GDF-Series Twin-35mm
1.1.206.28.1.1.2	Skyshield 35 Revolver Gun Mount (RGM)

#### 4.2.3.35.2. Air

Field Value	Description
1.2.206	
1.2.206.4	Cargo / Tanker
1.2.206.4.1	Pilatus PC-6
1.2.206.4.1.1	Pilatus PC-6 Turbo Porter
1.2.206.40	Trainer
1.2.206.40.1	Pilatus PC-7
1.2.206.40.1.1	Pilatus PC-7 Turbo Trainer
1.2.206.40.1.2	PC-7 Mk II
1.2.206.40.2	Pilatus PC-9
1.2.206.40.2.1	Pilatus PC-9 Turbo Trainer
1.2.206.40.2.2	PC-9 Mk II

### 4.2.3.36. Thailand Platform

## 4.2.3.36.1. Surface

Field Value	Description
1.3.210	
1.3.210.6	Guided Missile Frigate (FFG)
1.3.210.6.1	Naresuan Class
1.3.210.6.2	Chao Phraya Class

## 4.2.3.37. Turkey Platform

## 4.2.3.37.1. Surface

Field Value	Description
1.3.218	
1.3.218.5	Destroyer (DD)
1.3.218.5.1	Mod Gearing Fram
1.3.218.7	Light/Patrol Craft
1.3.218.7.1	Dogan Class
1.3.218.50	Frigate (including Corvette)
1.3.218.50.1	Yavuz

## 4.2.3.37.2. Subsurface

Field Value	Description
1.4.218	
1.4.218.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.218.5.1	Modified Guppy III Class

## 4.2.3.38. Serbia and Montenegro Platform

## 4.2.3.38.1. Surface

Field Value	Description
1.3.240	
1.3.240.6	Guided Missile Frigate (FFG)

Field Value	Description
1.3.240.6.1	Split/Kotor
1.3.240.7	Light/Patrol Craft
1.3.240.7.1	Koncar Class
1.3.240.7.2	Mirna Class Type 140 PCF
1.3.240.7.2.1	Ucka 174
1.3.240.7.2.2	Grmec 175
1.3.240.7.2.3	Gora 177
1.3.240.7.2.4	Kosmaj 178
1.3.240.7.2.5	Zelengora 179
1.3.240.7.3	Damen Class
1.3.240.8	Mine Countermeasure Ship/Craft
1.3.240.8.1	Silba Class (LCT)
1.3.240.16	Auxiliary
1.3.240.16.1	Spasilac Class (ASR)

#### 4.2.3.38.2. Subsurface

Field Value	Description
1.4.240	
1.4.240.5	SS (Conventional Attack-Torpedo, Patrol)
1.4.240.5.1	Heroj Class
1.4.240.5.2	Sava Class

### 4.2.3.39. South Africa Platform

#### 4.2.3.39.1. Land

Field Value	Description
1.1.197	
1.1.197.1	Tank
1.1.197.1.1	Olifant
1.1.197.1.1.1	Mk 1
1.1.197.1.1.2	Mk 2
1.1.197.2	Armored Fighting Vehicle
1.1.197.2.1	Rooikat
1.1.197.2.1.1	76 mm

Field Value	Description
1.1.197.2.2	Ratel
1.1.197.2.2.1	20 mm
1.1.197.2.2.2	60 mm
1.1.197.2.2.3	90 mm
1.1.197.3	Armored Utility Vehicle
1.1.197.3.1	BLV
1.1.197.4	Self-propelled Artillery
1.1.197.4.1	G6 155-mm Howitzer
1.1.197.5	Towed Artillery
1.1.197.5.1	G5

## 4.2.3.39.2. Air

Field Value	Description
1.2.197	
1.2.197.1	Fighter / Air Defense
1.2.197.1.1	Cheetah
1.2.197.1.1.1	C
1.2.197.1.1.2	D
1.2.197.20	Attack Helicopter
1.2.197.20.1	Rooivalk
1.2.197.50	Unmanned
1.2.197.50.1	RPV
1.2.197.50.1.1	Seeker
1.2.197.50.1.2	Vulture

## 4.2.3.40. Czechoslovakia (separating into Czech Republic and Slovak Republic) Platform

## 4.2.3.40.1. Air

Field Value	Description
1.2.56	
1.2.56.1	Fighter / Air Defense
1.2.56.1.1	Aero L-159
1.2.56.2	Attack / Strike

Field Value	Description
1.2.56.2.1	Aero L-39Z Albatros
1.2.56.2.1.1	Aero L-39ZO
1.2.56.2.1.2	Aero L-39ZA
1.2.56.2.2	Aero L-59
1.2.56.4	Cargo / Tanker
1.2.56.4.1	Let L-410 Turbolet
1.2.56.40	Trainer
1.2.56.40.1	Zlin Z-142
1.2.56.40.2	Aero L-29 Delphin
1.2.56.40.3	Aero L-39C Albatros
1.2.56.40.4	Aero L-59

#### 4.2.3.41. Taiwan Platform

##### 4.2.3.41.1. Land

Field Value	Description
1.1.208	
1.1.208.4	Self-propelled Artillery
1.1.208.4.1	Hsiung Feng I launcher

##### 4.2.3.41.2. Air

Field Value	Description
1.2.208	
1.2.208.1	Fighter/Air Defense
1.2.208.1.1	Ching-kuo (IDF)

##### 4.2.3.41.3. Surface

Field Value	Description
1.3.208	
1.3.208.6	Guided Missile Frigate (FFG)
1.3.208.6.6	Cheng Kung Class (Kwang Hua Project)
1.3.208.6.6.1	FFG 1101 Cheng Kung
1.3.208.6.6.2	FFG 1103 Cheng Ho

Field Value	Description
1.3.208.6.6.3	FFG 1105 Chi Kuang
1.3.208.6.6.4	FFG 1106 Yueh Fei
1.3.208.6.6.5	FFG 1107 Tzu-I
1.3.208.6.6.6	FFG 1108 Pan Chao
1.3.208.6.6.7	FFG 1109 Chang Chien
1.3.208.6.2	Kang Ding (La Fayette) Class
1.3.208.6.2.1	FFG 1202 Kang Ding
1.3.208.6.2.2	FFG 1203 Si Ning
1.3.208.6.2.3	FFG 1205 Kun Ming
1.3.208.6.2.4	FFG 1206 Di Hua
1.3.208.6.2.5	FFG 1207 Wu Chang
1.3.208.6.2.6	FFG 1208 Chen Te
1.3.208.7	Light/Patrol Craft
1.3.208.7.1	Hai Ou Class
1.3.208.7.1.1	FABG 5
1.3.208.7.1.2	FABG 6
1.3.208.7.1.3	FABG 7
1.3.208.7.1.4	FABG 8
1.3.208.7.1.5	FABG 9
1.3.208.7.1.6	FABG 10
1.3.208.7.1.7	FABG 11
1.3.208.7.1.8	FABG 12
1.3.208.7.1.9	FABG 14
1.3.208.7.1.10	FABG 15
1.3.208.7.1.11	FABG 16
1.3.208.7.1.12	FABG 17
1.3.208.7.1.13	FABG 18
1.3.208.7.1.14	FABG 19
1.3.208.7.1.15	FABG 20
1.3.208.7.1.16	FABG 21
1.3.208.7.1.17	FABG 23
1.3.208.7.1.18	FABG 24
1.3.208.7.1.19	FABG 25
1.3.208.7.1.20	FABG 26
1.3.208.7.1.21	FABG 27
1.3.208.7.1.22	FABG 28
1.3.208.7.1.23	FABG 29
1.3.208.7.1.24	FABG 30
1.3.208.7.1.25	FABG 32

Field Value	Description
1.3.208.7.1.26	FABG 33
1.3.208.7.1.27	FABG 34
1.3.208.7.1.28	FABG 35
1.3.208.7.1.29	FABG 36
1.3.208.7.1.30	FABG 37
1.3.208.7.1.31	FABG 38
1.3.208.7.1.32	FABG 39
1.3.208.7.1.33	FABG 41
1.3.208.7.1.34	FABG 42
1.3.208.7.1.35	FABG 43
1.3.208.7.1.36	FABG 44
1.3.208.7.1.37	FABG 45
1.3.208.7.1.38	FABG 46
1.3.208.7.1.39	FABG 47
1.3.208.7.1.40	FABG 48
1.3.208.7.1.41	FABG 49
1.3.208.7.1.42	FABG 50
1.3.208.7.1.43	FABG 51
1.3.208.7.1.44	FABG 52
1.3.208.7.1.45	FABG 53
1.3.208.7.1.46	FABG 54
1.3.208.7.1.47	FABG 55
1.3.208.7.1.48	FABG 56
1.3.208.7.1.49	FABG 57
1.3.208.7.1.50	FABG 58
1.3.208.7.2	Jin Chiang Class
1.3.208.7.2.1	603 Jin Chiang
1.3.208.7.3	PCL Type
1.3.208.7.3.1	1 PCL
1.3.208.7.3.2	2 PCL
1.3.208.7.3.3	3 PCL
1.3.208.7.3.4	5 PCL
1.3.208.7.3.5	6 PCL
1.3.208.7.3.6	7 PCL
1.3.208.7.3.7	8 PCL
1.3.208.7.3.8	9 PCL
1.3.208.8	Mine Countermeasures Ship/Craft
1.3.208.8.1	Yun Feng Class
1.3.208.8.1.1	1301 Yung Feng



Field Value	Description
1.3.208.8.1.2	1302 Yung Chia
1.3.208.8.1.3	1303 Yung Nieng
1.3.208.8.1.4	1305 Yung Shoen
1.3.208.56	Amphibious Transport Dock
1.3.208.56.1	Tai Wu Class
1.3.208.56.1.1	518 Tai Wu
1.3.208.56.1.2	522 Ling Yuen
1.3.208.56.1.3	523 Wan An
1.3.208.56.2	Wu Kang Class
1.3.208.56.2.1	524 Yuen Feng
1.3.208.56.2.2	525 Wu Kang
1.3.208.56.2.3	526 Hsin Kang
1.3.208.60	Fast Combat Support Ship
1.3.208.60.1	Wu Yi Class
1.3.208.60.1.1	530 Wu Yi

#### 4.2.3.41.4. Subsurface

Field Value	Description
1.4.208	
1.4.208.5	SS (Conventional Attack-Torpedo Patrol)
1.4.208.5.1	Hai Shih (ex. Guppy II)
1.4.208.5.1.1	791 Hai Shih

#### 4.2.3.42. Albania Platform

##### 4.2.3.42.1. Surface

Field Value	Description
1.3.2	
1.3.2.61	Non-Combatant Ship
1.3.2.61.1	Container Class
1.3.2.61.1.1	Florida

**4.2.3.43. Bahamas Platform***4.2.3.43.1. Surface*

Field Value	Description
1.3.15	
1.3.15.61	Non-Combatant Ship
1.3.15.61.1	Container Class
1.3.15.61.1.1	Chicago Express
1.3.15.61.1.2	Sea Leader
1.3.15.61.2	Tanker Class
1.3.15.61.2.1	Berge Hus
1.3.15.61.2.2	Mosocean
1.3.15.61.2.3	Orient Tiger
1.3.15.61.2.4	Ramlah

**4.2.3.44. Belize Platform***4.2.3.44.1. Surface*

Field Value	Description
1.3.22	
1.3.22.61	Non-Combatant Ship
1.3.22.61.1	Container Class
1.3.22.61.1.1	Boka Star

**4.2.3.45. Bermuda (United Kingdom) Platform***4.2.3.45.1. Surface*

Field Value	Description
1.3.24	
1.3.24.61	Non-Combatant Ship
1.3.24.61.1	Container Class

Field Value	Description
1.3.24.61.1.1	Corner Brook

#### 4.2.3.46. Cyprus Platform

##### 4.2.3.46.1. Surface

Field Value	Description
1.3.55	
1.3.55.61	Non-Combatant Ship
1.3.55.61.1	Container Class
1.3.55.61.1.1	Yukon
1.3.55.61.2	Tanker Class
1.3.55.61.2.1	Beltrade
1.3.55.61.2.2	Fulmar
1.3.55.61.2.3	Messiniakos

#### 4.2.3.47. Greece Platform

##### 4.2.3.47.1. Surface

Field Value	Description
1.3.82	
1.3.82.61	Non-Combatant Ship
1.3.82.61.1	Container Class
1.3.82.61.1.1	Daedalus
1.3.82.61.1.2	Fedra
1.3.82.61.2	Tanker Class
1.3.82.61.2.1	Althea
1.3.82.61.2.2	Olympic Loyalty
1.3.82.61.2.3	Peaceventure L
1.3.82.61.3	Supertanker
1.3.82.61.3.1	H. Alhambra
1.3.82.61.3.2	H. Metropolis
1.3.82.61.3.3	H. Fairfax

**4.2.3.48. Liberia Platform***4.2.3.48.1. Surface*

Field Value	Description
1.3.125	
1.3.125.61	Non-Combatant Ship
1.3.125.61.1	Container Class
1.3.125.61.1.1	Jolly Orca
1.3.125.61.2	Tanker Class
1.3.125.61.2.1	Almak
1.3.125.61.2.2	Alphard Star
1.3.125.61.2.3	Amber Lady
1.3.125.61.2.4	Front Chief
1.3.125.61.2.5	Ish
1.3.125.61.2.6	Khannur
1.3.125.61.2.7	Kuban
1.3.125.61.2.8	New Vitality
1.3.125.61.2.9	Ocean Guardian
1.3.125.61.2.10	Polaris Star
1.3.125.61.2.11	Shahamah
1.3.125.61.2.12	Tarquin Navigator
1.3.125.61.2.13	Igloo Star
1.3.125.61.2.14	SC Breeze

**4.2.3.49. Panama Platform***4.2.3.49.1. Surface*

Field Value	Description
1.3.168	
1.3.168.61	Non-Combatant Ship
1.3.168.61.1	Container Class
1.3.168.61.1.1	Pollux
1.3.168.61.1.2	Sima Roja
1.3.168.61.1.3	Stellar Might
1.3.168.61.2	Tanker Class

Field Value	Description
1.3.168.61.2.1	Navix Astral
1.3.168.61.2.2	Oriental Daisy
1.3.168.61.2.3	Pacific Lagoon
1.3.168.61.2.4	World Princess
1.3.168.61.2.5	Nereo

#### 4.2.3.50. Philippines Platform

##### 4.2.3.50.1. Surface

Field Value	Description
1.3.173	
1.3.173.61	Non-Combatant Ship
1.3.173.61.1	Container Class
1.3.173.61.1.1	Endeavour
1.3.173.61.1.2	General Villa
1.3.173.61.1.3	Handy Gunner

#### 4.2.3.51. Singapore Platform

##### 4.2.3.51.1. Surface

Field Value	Description
1.3.193	
1.3.193.61	Non-Combatant Ship
1.3.193.61.1	Container Class
1.3.193.61.1.1	Neptune Pearl
1.3.193.61.2	Tanker Class
1.3.193.61.2.1	Argo Pallas
1.3.193.61.2.2	Evelyn Maersk
1.3.193.61.2.3	Iront Highness
1.3.193.61.2.4	Pacific Harmony
1.3.193.61.2.5	Fidelity

### 4.2.3.52. Croatia Platform

#### 4.2.3.52.1. Surface

Field Value	Description
1.3.249	
1.3.249.7	Light/Patrol Craft
1.3.249.7.1	Koncar (Type R-02) Class (Fast Attack Craft-Missile) (PCFG)
1.3.249.7.1.1	RTOP 21 Sibenik
1.3.249.50	Frigate (including Corvettes)
1.3.249.50.1	Kralj (Type R-03) Class (FSG)
1.3.249.50.1.1	RTOP 11 Kralj Petar Kresimir IV

### 4.2.3.53. Pakistan Platform

#### 4.2.3.53.1. Surface

Field Value	Description
1.3.165	
1.3.165.7	Light/Patrol Craft
1.3.165.7.1	Town Class (Large Patrol Craft) (PC)
1.3.165.7.2	Larkana Class (Large Patrol Class) (PC)
1.3.165.7.3	Barkat Class
1.3.165.16	Auxiliary
1.3.165.16.1	Fuqing Class (AOR)
1.3.165.16.1.1	A47 Nasr
1.3.165.16.2	Coastal Tankers (AOTL)
1.3.165.16.2.1	A49 Gwadar

### 4.2.3.54. Brazil Platform

#### 4.2.3.54.1. Surface

Field Value	Description
-------------	-------------

Field Value	Description
1.3.29	
1.3.29.4	Self-propelled Artillery
1.3.29.4.1	Launcher ASTROS AV-LMU
1.3.29.7	Large Wheeled Utility Vehicle
1.3.29.7.1	Tectran Engenharia
1.3.29.7.1.1	ASTROS Resupply AV-RMD
1.3.29.37	Fire Control Facility
1.3.29.37.1	ASTROS Fire Control Vehicle AV-VCC

#### 4.2.3.55. Portugal Platform

##### 4.2.3.55.1. Surface

Field Value	Description
1.3.176	
1.3.176.61	PRT Non-Combatant Ship
1.3.176.61.1	PRT Ship Container Class
1.3.176.61.2	PRT Ship Tanker Class
1.3.176.61.3	PRT Ship Commercial Large (> 30m)
1.3.176.61.4	PRT Boat Commercial Medium (10m to 29m)
1.3.176.61.5	PRT Boat Commercial Small (<10m)
1.3.176.61.6	PRT Sailboat Commercial Two-Mast
1.3.176.61.7	PRT Sailboat Commercial One-Mast
1.3.176.61.9	PRT Boat Private Very Small (< 3m)
1.3.176.61.9.1	PRT Boat Private Very Small Outboard
1.3.176.61.9.2	PRT Boat Private Very Small Inboard
1.3.176.61.10	PRT Boat Private Small (3m to 5m)
1.3.176.61.10.1	PRT Boat Private Very Small Outboard
1.3.176.61.10.2	PRT Boat Private Very Small Inboard
1.3.176.61.11	PRT Boat Private Medium (6m to 10m)
1.3.176.61.11.1	PRT Boat Private Medium Motor Yacht
1.3.176.61.12	PRT Boat Private Large (11m to 15m)
1.3.176.61.12.1	PRT Boat Private Large Yacht
1.3.176.61.13	PRT Boat Private Very Large (> 15m)
1.3.176.61.13.1	PRT Boat Private Very Large Yacht

### 4.2.3.56. Platform

#### 4.2.3.56.1. Surface

Field Value	Description
1.3.0	
1.3.0.61	Non-Combatant Ship
1.3.0.61.1	Generic Ship Container Class
1.3.0.61.2	Generic Ship Tanker Class
1.3.0.61.3	Generic Ship Commercial Large (> 30m)
1.3.0.61.4	Generic Boat Commercial Medium (10m to 29m)
1.3.0.61.5	Generic Boat Commercial Small (<10m)
1.3.0.61.6	Generic Sailboat Commercial Two-Mast
1.3.0.61.7	Generic Sailboat Commercial One-Mast
1.3.0.61.9	Generic Boat Private Very Small (< 3m)
1.3.0.61.9.1	Generic Boat Private Very Small Outboard
1.3.0.61.9.2	Generic Boat Private Very Small Inboard
1.3.0.61.10	Generic Boat Private Small (3m to 5m)
1.3.0.61.10.1	Generic Boat Private Very Small Outboard
1.3.0.61.10.2	Generic Boat Private Very Small Inboard
1.3.0.61.11	Generic Boat Private Medium (6m to 10m)
1.3.0.61.11.1	Generic Boat Private Medium Motor Yacht
1.3.0.61.12	Generic Boat Private Large (11m to 15m)
1.3.0.61.12.1	Generic Boat Private Large Yacht
1.3.0.61.13	Generic Boat Private Very Large (> 15m)
1.3.0.61.13.1	Generic Boat Private Very Large Yacht

### 4.2.3.57. United States Munition

#### 4.2.3.57.1. Other

Field Value	Description
2.0.225	
2.0.225.1	Guided
2.0.225.1.1	Deadeye 5-in. projectile
2.0.225.3	Fixed
2.0.225.3.1	Mine-clearing torpedo, Bangalore



Field Value	Description
2.0.225.3.1.1	M1A1
2.0.225.3.1.2	M1A2

## 4.2.3.57.2. Anti-Air

Field Value	Description
2.1.225	
2.1.225.1	Guided
2.1.225.1.1	AIM-9 Sidewinder
2.1.225.1.1.1	AIM-9B
2.1.225.1.1.2	AIM-9D
2.1.225.1.1.3	AIM-9L/M/S
2.1.225.1.1.3.1	AIM-9L
2.1.225.1.1.3.2	AIM-9M
2.1.225.1.1.3.3	AIM-9M-7
2.1.225.1.1.3.4	AIM-9S
2.1.225.1.1.4	AIM-9P
2.1.225.1.1.5	AIM-9R
2.1.225.1.1.6	AIM-9X
2.1.225.1.1.7	AIM-9J
2.1.225.1.2	AIM-120 Advanced Medium-Range Air-to-Air Missile (AMRAAM)
2.1.225.1.2.1	AIM-120A
2.1.225.1.2.2	AIM-120B
2.1.225.1.2.3	AIM-120C
2.1.225.1.3	(deleted)
2.1.225.1.4	Falcon
2.1.225.1.4.1	AIM-4D
2.1.225.1.4.2	AIM-4F
2.1.225.1.4.3	AIM-4G
2.1.225.1.4.4	AIM-26
2.1.225.1.4.5	AIM-26B
2.1.225.1.5	MIM-72 Chaparral
2.1.225.1.6	MIM-23 Hawk C/E/F/G/H
2.1.225.1.6.1	MIM-23B I-Hawk
2.1.225.1.6.2	Hawk PIP
2.1.225.1.7	MLMS
2.1.225.1.8	AIM-54 Phoenix
2.1.225.1.8.1	AIM-54A
2.1.225.1.8.2	AIM-54C

Field Value	Description
2.1.225.1.9	Rapier UK
2.1.225.1.10	FIM-43 Redeye
2.1.225.1.11	Roland
2.1.225.1.12	Sea Sparrow
2.1.225.1.12.1	RIM-7H
2.1.225.1.12.2	Evolved Sea Sparrow Missile (ESSM)
2.1.225.1.12.2.1	RIM-162A
2.1.225.1.12.2.2	RIM-162B
2.1.225.1.12.2.3	RIM-162C
2.1.225.1.12.2.4	RIM-162D
2.1.225.1.13	Sparrow
2.1.225.1.13.1	AIM-7F
2.1.225.1.13.2	AIM-7M
2.1.225.1.13.3	AIM-7P
2.1.225.1.13.4	AIM-7R (multimode seeker)
2.1.225.1.13.5	AIM-7MH
2.1.225.1.14	(deleted)
2.1.225.1.15	Stinger
2.1.225.1.15.1	FIM-92 Stinger A/B/C
2.1.225.1.15.2	Stinger Post
2.1.225.1.15.3	Stinger RMP
2.1.225.1.15.4	Stinger ATAS
2.1.225.1.16	MIM-104 Patriot
2.1.225.1.16.1	PAC-2
2.1.225.1.16.1.1	Standard
2.1.225.1.16.1.2	GEM
2.1.225.1.16.2	PAC-3 (ERINT)
2.1.225.1.17	(deleted)
2.1.225.1.18	(deleted)
2.1.225.1.19	ADATS
2.1.225.1.20	MIM-14B Nike-Hercules
2.1.225.1.21	Theater High-Altitude Area Defense (THAAD)
2.1.225.1.22	(deleted)
2.1.225.1.23	(deleted)
2.1.225.1.24	(deleted)
2.1.225.1.25	(deleted)
2.1.225.1.26	(deleted)
2.1.225.1.27	Standard Missile
2.1.225.1.27.1	Standard MR (RIM-66)

Field Value	Description
2.1.225.1.27.1.1	SM-1 Block 5 MR
2.1.225.1.27.1.2	SM-1 Block 6B
2.1.225.1.27.1.3	SM-2 Block 2 MR
2.1.225.1.27.1.4	SM-2 Block 3 MR
2.1.225.1.27.1.5	SM-2 Block 3A MR
2.1.225.1.27.1.6	SM-2 Block 3B
2.1.225.1.27.1.7	(deleted)
2.1.225.1.27.1.8	SM-2 Block 6 MR
2.1.225.1.27.1.9	(deleted)
2.1.225.1.27.2	Standard ER (RIM-67)
2.1.225.1.27.2.1	SM-2 Block 4
2.1.225.1.27.2.2	SM-2 Block 4A
2.1.225.1.27.3	Standard BMD (RIM-61)
2.1.225.1.27.3.1	SM-3 Boost Phase Vehicle
2.1.225.1.27.3.2	SM-3 Second Stage Vehicle
2.1.225.1.27.3.3	SM-3 Third Stage Vehicle
2.1.225.1.27.3.4	SM-3 Separated Kill Vehicle (KV)
2.1.225.1.27.3.5	SM-3 Jettisoned first stage
2.1.225.1.27.3.6	SM-3 Jettisoned second stage
2.1.225.1.27.3.7	SM-3 Jettisoned third stage
2.1.225.1.27.3.8	SM-3 Block 1 Kill Weapon (KW)
2.1.225.1.28	Mk 49 RAM
2.1.225.2	Ballistic
2.1.225.2.1	3-in, .50 caliber
2.1.225.2.2	12.7-mm/.50 caliber
2.1.225.2.2.1	M2 AP
2.1.225.2.2.2	M8 API
2.1.225.2.2.3	M20 API-T
2.1.225.2.2.4	M2 ball
2.1.225.2.2.5	M33 ball
2.1.225.2.2.6	M1 incendiary
2.1.225.2.2.7	M23 incendiary
2.1.225.2.3	20-mm
2.1.225.2.3.1	M56A4 HEI/M242 HEI-T 7:1 ratio
2.1.225.2.3.2	PGU-28/B SAPHEI
2.1.225.2.3.3	M246 HEIT-SD
2.1.225.2.3.4	M940 MPT-SD
2.1.225.2.3.5	MK149 APDS
2.1.225.2.3.6	MK244 Mod 0 (tungsten)

Field Value	Description
2.1.225.3	Fixed
2.1.225.3.1	Anti-helicopter mine (AHM)

## 4.2.3.57.3. Anti-Armor

Field Value	Description
2.2.225	
2.2.225.1	Guided
2.2.225.1.1	BGM-71 TOW
2.2.225.1.1.1	BGM-71A/B
2.2.225.1.1.2	BGM-71C ITOW
2.2.225.1.1.3	BGM-71D TOW 2
2.2.225.1.1.4	BGM-71E TOW 2-A
2.2.225.1.1.5	BGM-71F TOW 2-B
2.2.225.1.2	Dragon ATGW
2.2.225.1.2.1	M222 Dragon
2.2.225.1.2.2	Dragon II
2.2.225.1.2.3	Dragon III
2.2.225.1.3	AGM-114 Hellfire
2.2.225.1.3.1	AGM-114A
2.2.225.1.3.2	AGM-114B
2.2.225.1.3.3	AGM-114C
2.2.225.1.3.4	AGM-114F
2.2.225.1.3.5	AGM-114K
2.2.225.1.3.5.1	AGM-114K SAL
2.2.225.1.3.5.2	AGM-114K RF
2.2.225.1.3.6	AGM-114L, Laser Guided Hellfire
2.2.225.1.4	AGM-65 Maverick
2.2.225.1.4.1	AGM-65A
2.2.225.1.4.2	AGM-65B
2.2.225.1.4.3	AGM-65D
2.2.225.1.4.4	AGM-65E
2.2.225.1.4.5	AGM-65F
2.2.225.1.4.6	AGM-65G
2.2.225.1.5	M712 Copperhead Cannon Launched Guided Projectile
2.2.225.1.6	AAWS-M
2.2.225.1.7	High Velocity Missile (HVM)
2.2.225.1.8	Javelin
2.2.225.1.9	(deleted)

Field Value	Description
2.2.225.1.10	Rocket, Loitering Attack Munition
2.2.225.1.11	Rocket, Precision Attack Munition
2.2.225.2	Ballistic
2.2.225.2.1	12.7-mm (.50 Cal)
2.2.225.2.1.1	M2 AP
2.2.225.2.1.2	M8 API
2.2.225.2.1.3	M17
2.2.225.2.1.4	M20 API-T
2.2.225.2.1.5	A534 (4 ball & 1 tracer mix)
2.2.225.2.2	20 mm
2.2.225.2.2.1	M39
2.2.225.2.2.2	M53 API
2.2.225.2.2.3	M601 API-T
2.2.225.2.2.4	M775 API-T
2.2.225.2.2.5	M940 MP-T-SD
2.2.225.2.2.6	MK149 Mod 4 APDS
2.2.225.2.2.7	Oerlikon S
2.2.225.2.2.8	PGU-28/B SAP-HE
2.2.225.2.2.9	U.S. Navy Mark 100
2.2.225.2.3	25 mm
2.2.225.2.3.1	Oerlikon KBA
2.2.225.2.3.2	M791 APDS-T
2.2.225.2.3.3	M919 APFSDS-T
2.2.225.2.3.4	PGU-20/U API
2.2.225.2.3.5	PGU-32/U SAPHEI
2.2.225.2.3.6	Mk 96
2.2.225.2.4	30 mm
2.2.225.2.4.1	173 Mauser model F APDS-T
2.2.225.2.4.2	PGU-14/B API, PGU-13/B HEI 4:1 ratio
2.2.225.2.4.3	GPU 5A
2.2.225.2.4.4	PGU-15/B TP
2.2.225.2.5	66 mm 72 LAW
2.2.225.2.6	76 mm
2.2.225.2.6.1	M319, HVAP-T
2.2.225.2.6.2	M331A1, HVAP-DS-T
2.2.225.2.6.3	M331A2, HVAP-DS-T
2.2.225.2.6.4	M339, AP-T
2.2.225.2.6.5	M464, APFSDS-T
2.2.225.2.6.6	M496, HEAT-T

Field Value	Description
2.2.225.2.7	81 mm
2.2.225.2.8	84 mm
2.2.225.2.8.1	M136, HEAT
2.2.225.2.9	90 mm
2.2.225.2.9.1	M77 AP-T
2.2.225.2.9.2	M82 APC-T
2.2.225.2.9.3	M318 AP-T
2.2.225.2.9.4	M318A1 AP-T
2.2.225.2.9.5	M332A1 HVAP-T
2.2.225.2.9.6	M348 HEAT
2.2.225.2.9.7	M348A1 HEAT
2.2.225.2.9.8	M431 HEAT-T
2.2.225.2.9.9	RCL M67
2.2.225.2.10	105 mm
2.2.225.2.10.1	FP105, APFSDS
2.2.225.2.10.2	M392 APDS-T
2.2.225.2.10.3	M392A2 APDS-T
2.2.225.2.10.4	M456 HEAT-T
2.2.225.2.10.5	M456A2 HEAT-T
2.2.225.2.10.6	M662 HEAT-T
2.2.225.2.10.7	M728 APDS-T
2.2.225.2.10.8	M735 APFSDS-T
2.2.225.2.10.9	M774 APFSDS-T
2.2.225.2.10.10	M833 APFSDS-T
2.2.225.2.10.11	M900 APFSDS-T
2.2.225.2.10.12	Olin 105, APFSDS
2.2.225.2.10.13	XM815 HEAT-MP
2.2.225.2.11	106 mm RCL40 (M40)
2.2.225.2.12	107 mm
2.2.225.2.13	120 mm
2.2.225.2.13.1	M829 APFSDS-T
2.2.225.2.13.2	M829A1 APFSDS-T
2.2.225.2.13.3	M830 HEAT-MP-T
2.2.225.2.13.4	Olin 120 APFSDS
2.2.225.2.13.5	Olin 120+ APFSDS
2.2.225.2.13.6	M830A1 HEAT-MP-T
2.2.225.2.13.7	XM943 STAFF
2.2.225.2.14	152 mm
2.2.225.2.14.1	M409 Series HEAT-T-MP

Field Value	Description
2.2.225.2.15	155 mm
2.2.225.2.15.1	M898 SADARM
2.2.225.2.16	227-mm rocket
2.2.225.2.16.1	AT2
2.2.225.2.16.2	M77
2.2.225.2.16.3	TGW
2.2.225.2.16.4	SADARM
2.2.225.2.17	(deleted)
2.2.225.2.18	(deleted)
2.2.225.2.19	(deleted)
2.2.225.2.20	Hydra 70 Rocket System
2.2.225.2.20.1	Hydra Rocket w/M156 WP smoke warhead
2.2.225.2.20.2	Hydra Rocket w/M67 Mod WP smoke warhead
2.2.225.2.20.3	Hydra Rocket w/M67 Mod 1 RP smoke warhead
2.2.225.2.20.4	Hydra Rocket w/M151 HE frag warhead
2.2.225.2.20.5	Hydra Rocket w/M257 visible flare warhead
2.2.225.2.20.6	Hydra Rocket w/M278 infrared flare warhead
2.2.225.2.20.7	Hydra Rocket w/WDU-4A/A flechette warhead
2.2.225.2.20.8	Hydra Rocket w/WTU-1/B practice warhead
2.2.225.2.50	Rockeye II Mk 20 cluster weapon
2.2.225.2.51	SUU-65/B TAC Munition Dispenser (TMD) Wide Area Antiarmor Munition (WAAM)
2.2.225.3	Fixed
2.2.225.3.1	Area Denial Artillery Munition (ADAM)
2.2.225.3.2	Extended Range Anti-armor Munition (ERAM)
2.2.225.3.3	GATOR Anti-armor System
2.2.225.3.4	XM93 Wide Area Mine (WAM)
2.2.225.3.5	M21 Heavy Antitank mine
2.2.225.3.6	Off-route Antitank mine
2.2.225.3.6.1	M24
2.2.225.3.6.2	M66
2.2.225.3.7	M19 Antitank mine
2.2.225.3.8	M15 Antitank mine
2.2.225.3.9	M86 Pursuit Deterrent Munition (PDM)

#### 4.2.3.57.4. Anti-Guided Weapon

Field Value	Description
2.3.225	

Field Value	Description
2.3.225.1	Guided
2.3.225.1.1	Decoys
2.3.225.1.1.1	Anti-Radiation Missile Decoy (ARM-D)
2.3.225.1.1.2	Mk-57 (MOSS)
2.3.225.1.2	RIM-72 Sea Chaparral
2.3.225.1.3	RIM-116A RAM

## 4.2.3.57.5. Antiradar

Field Value	Description
2.4.225	
2.4.225.1	Guided
2.4.225.1.1	AGM-88 High-speed Antiradiation Missile (HARM)
2.4.225.1.1.1	AGM-88A
2.4.225.1.1.2	AGM-88B
2.4.225.1.1.3	AGM-88C
2.4.225.1.2	AGM-45 Shrike
2.4.225.1.2.1	AGM-45A
2.4.225.1.2.2	AGM-45B
2.4.225.1.3	AGM-78 Standard ARM
2.4.225.1.4	AGM-122 Sidearm
2.4.225.1.4.1	AGM-122A
2.4.225.1.5	(deleted)
2.4.225.1.6	Stinger
2.4.225.1.6.1	Air Defense Suppression Missile (ADSM)

## 4.2.3.57.6. Antisatellite

Field Value	Description
2.5.225	
2.5.225.1	Guided
2.5.225.1.1	Asat

## 4.2.3.57.7. Antiship

Field Value	Description
2.6.225	
2.6.225.1	Guided



Field Value	Description
2.6.225.1.1	Harpoon
2.6.225.1.1.1	AGM-84A
2.6.225.1.1.2	UGM-84A
2.6.225.1.1.3	RGM-84A
2.6.225.1.1.4	AGM-84B
2.6.225.1.1.5	UGM-84B
2.6.225.1.1.6	AGM-84C
2.6.225.1.1.7	UGM-84C
2.6.225.1.1.8	AGM-84D
2.6.225.1.1.9	UGM-84D
2.6.225.1.1.10	AGM-84E
2.6.225.1.1.11	UGM-84E
2.6.225.1.1.12	RGM-84E
2.6.225.1.1.13	AGHM-84F
2.6.225.1.1.14	UGM-84F
2.6.225.1.1.15	RGM-84F
2.6.225.1.1.16	AGM-84G
2.6.225.1.1.17	UGM-84G
2.6.225.1.1.18	RGM-84G
2.6.225.1.2	(deleted)
2.6.225.1.3	(deleted)
2.6.225.1.4	(deleted)
2.6.225.1.5	NT 37F torpedo
2.6.225.1.5.1	Mod 2
2.6.225.1.5.2	Mod 3
2.6.225.1.5.3	NT 37E
2.6.225.1.6	(deleted)
2.6.225.1.7	(deleted)
2.6.225.1.8	AGM-142 Popeye
2.6.225.1.9	AGM-119 Penguin
2.6.225.1.10	AGM-123 Skipper
2.6.225.1.10.1	AGM-123A
2.6.225.1.11	(deleted)
2.6.225.1.12	BGM-109B Tomahawk Antiship Missile (TASM)
2.6.225.1.13	ADCAP
2.6.225.1.13.1	Mod 5
2.6.225.1.13.2	Mod 6
2.6.225.1.14	Mk 48
2.6.225.1.14.1	Mod 4

Field Value	Description
2.6.225.2	Ballistic
2.6.225.2.1	5-in .38 caliber
2.6.225.2.2	5-in .54 caliber
2.6.225.2.2.1	AAC
2.6.225.2.2.2	HC
2.6.225.2.2.3	HE-IR
2.6.225.2.2.4	HE-PD
2.6.225.2.2.5	HE
2.6.225.2.2.6	HE-CVT
2.6.225.2.2.7	IR
2.6.225.2.2.8	VT (Variable Time)
2.6.225.2.2.9	VT-IR (Variable Time, Infrared)
2.6.225.2.2.10	VT-RF
2.6.225.2.3	76 mm
2.6.225.2.3.1	AAC
2.6.225.2.3.2	HE
2.6.225.2.3.3	HE-PD
2.6.225.2.3.4	VT fragmentation
2.6.225.2.3.5	VT IR
2.6.225.3	Fixed
2.6.225.3.1	DST Mk 36 mine
2.6.225.3.2	DST Mk 40 mine
2.6.225.3.3	DST Mk 41 mine
2.6.225.3.4	DST 115A mine
2.6.225.3.5	Mk 52 bottom mine
2.6.225.3.5.1	Mod 1
2.6.225.3.5.2	Mod 2
2.6.225.3.5.3	Mod 3
2.6.225.3.6	Mk 55 bottom mine
2.6.225.3.6.1	Mod 2
2.6.225.3.6.2	Mod 3
2.6.225.3.6.3	Mod 5
2.6.225.3.6.4	Mod 6
2.6.225.3.6.5	Mod 7
2.6.225.3.7	Mk 57 moored mine
2.6.225.3.7.1	Mod 0
2.6.225.3.8	Quickstrike mines
2.6.225.3.8.1	Mk 62
2.6.225.3.8.2	Mk 63

Field Value	Description
2.6.225.3.8.3	Mk 64
2.6.225.3.8.4	Mk 65
2.6.225.3.9	CAPTOR - Encapsulated Torpedo moored mine
2.6.225.3.10	Advanced sea mine
2.6.225.3.11	Mk 56 Mod 0 moored mine
2.6.225.3.12	Mk 67 Submarine Launched Mobile Mine

## 4.2.3.57.8. Antisubmarine

Field Value	Description
2.7.225	
2.7.225.1	Guided
2.7.225.1.1	Mk 46 torpedo
2.7.225.1.1.1	Mk 46 Mod 0
2.7.225.1.1.2	Mk 46 Mod 5 (NEARTIP)
2.7.225.1.1.3	Mk 46 Mod 7
2.7.225.1.1.4	Mk 46 Mod 6
2.7.225.1.2	Mk 48 torpedo
2.7.225.1.2.1	Mod 4
2.7.225.1.3	(deleted)
2.7.225.1.4	MK37 torpedo
2.7.225.1.4.1	Mod 0
2.7.225.1.4.2	Mod 1
2.7.225.1.4.3	Mod 2
2.7.225.1.4.4	Mod 3
2.7.225.1.5	RUR-5A ASROC
2.7.225.1.6	CASW/SOW
2.7.225.1.7	SUBROC
2.7.225.1.7.1	UUM-44A
2.7.225.1.8	(deleted)
2.7.225.1.9	Mk 44 torpedo
2.7.225.1.10	Mk 48 ADCAP torpedo
2.7.225.1.10.1	Mod 5 ADCAP
2.7.225.1.10.2	Mod 6 ADCAP/MODS
2.7.225.1.11	Mk 50 Advanced lightweight torpedo
2.7.225.1.11.1	100S
2.7.225.1.11.2	200S
2.7.225.1.12	NT 37F
2.7.225.1.12.1	Mod 2

Field Value	Description
2.7.225.1.12.2	Mod 3
2.7.225.1.12.3	NT 37E
2.7.225.1.13	HOTTORP torpedo
2.7.225.1.14	Sea Lance ASW
2.7.225.1.18	Mk 32 torpedo
2.7.225.1.18.1	Mod 2

#### 4.2.3.57.9. Antipersonnel

Field Value	Description
2.8.225	
2.8.225.2	Ballistic
2.8.225.2.1	5.56 mm
2.8.225.2.1.1	M193
2.8.225.2.1.2	M193 Tracer
2.8.225.2.1.3	(deleted)
2.8.225.2.1.4	5.56 x 45
2.8.225.2.1.5	M855
2.8.225.2.1.6	M856
2.8.225.2.1.7	A064
2.8.225.2.2	7.62 mm
2.8.225.2.2.1	.30 Carbine
2.8.225.2.2.2	.308 Winchester
2.8.225.2.2.3	.30-06 Springfield
2.8.225.2.2.4	A131 M80/M62 4:1 ratio (for M60, M240, etc.)
2.8.225.2.2.5	A130 M80 NATO ball (for M14, etc.)
2.8.225.2.2.6	A122 M59 ball (for AR-10, M14, etc.)
2.8.225.2.2.7	A141
2.8.225.2.2.8	4 ball + 1 tracer linked
2.8.225.2.2.9	AA11 M118 Long Range (for M86, M14, etc.)
2.8.225.2.3	9.0 mm
2.8.225.2.3.1	.380 Auto
2.8.225.2.3.2	Browning Short
2.8.225.2.3.3	Parabellum
2.8.225.2.3.4	Winchester Magnum
2.8.225.2.4	(deleted)
2.8.225.2.5	12.7 mm
2.8.225.2.5.1	A605 .50 ball M33 (for .50 Spotting rifle, etc.)

Field Value	Description
2.8.225.2.5.2	A556 .50 4 ball M2/M1 4:1 ratio (for M2 MG, etc.)
2.8.225.2.5.3	A534 .50 API M8/M20 4:1 ratio (for M2, , etc.)
2.8.225.2.6	(deleted)
2.8.225.2.7	90 mm
2.8.225.2.7.1	M580 APERS-T
2.8.225.2.8	105 mm
2.8.225.2.8.1	M336 canister
2.8.225.2.8.2	M377 canister
2.8.225.2.8.3	M494 APERS-T
2.8.225.2.8.4	M546 APERS-T
2.8.225.2.9	152 mm
2.8.225.2.9.1	M625A1 cannister (flechettes)
2.8.225.2.10	(deleted)
2.8.225.2.11	.357
2.8.225.2.11.1	Magnum
2.8.225.2.12	.38 Cal
2.8.225.2.12.1	Auto
2.8.225.2.12.2	Super Auto
2.8.225.2.12.3	Special
2.8.225.2.13	.45
2.8.225.2.13.1	Auto Colt
2.8.225.2.14	12 ga shotgun shells
2.8.225.2.50	BLU-97 Submunition
2.8.225.2.50.1	BLU-97A
2.8.225.2.50.2	BLU-97B
2.8.225.2.51	ISCB-1 Area Denial Cluster Weapon
2.8.225.3	Fixed
2.8.225.3.1	Bounding mines
2.8.225.3.1.1	M16
2.8.225.3.1.2	M16A1
2.8.225.3.1.3	M16A2
2.8.225.3.1.4	M2A4
2.8.225.3.2	Claymore mine
2.8.225.3.3	M15 heavy AT mine
2.8.225.3.4	M19 nonmetallic AT mine
2.8.225.3.5	M21 heavy AT mine
2.8.225.3.6	M741 scatterable AT mine
2.8.225.3.7	M718 scatterable AT mine
2.8.225.3.8	M75 scatterable AT mine

Field Value	Description
2.8.225.3.9	Nonmetallic "Toe Popper" mine
2.8.225.3.9.1	M14
2.8.225.3.10	M731 scatterable mine
2.8.225.3.11	M692 scatterable mine
2.8.225.3.12	M74 scatterable mine
2.8.225.3.13	M1 one-gallon chemical mine
2.8.225.3.14	M18A1 mine
2.8.225.3.15	M23 chemical-agent mine
2.8.225.3.16	M26 mine
2.8.225.3.17	M131 Modular Pack Mine System (MOPMS)

#### 4.2.3.57.10. Battlefield Support

Field Value	Description
2.9.225	
2.9.225.1	Guided
2.9.225.1.1	AGM-86 Air Launched Cruise Missile (ALCM)
2.9.225.1.1.1	(deleted)
2.9.225.1.1.2	AGM-86C
2.9.225.1.2	(deleted)
2.9.225.1.3	MGM-52C Lance
2.9.225.1.4	(deleted)
2.9.225.1.5	(deleted)
2.9.225.1.6	(deleted)
2.9.225.1.7	AGM-62 Walleye
2.9.225.1.8	SRAM-A
2.9.225.1.8.1	AGM-69A
2.9.225.1.8.2	AGM-69B
2.9.225.1.9	SLAM
2.9.225.1.9.1	AGM/RGM 84E
2.9.225.1.10	Advanced Cruise Missile
2.9.225.1.10.1	AGM-129A
2.9.225.1.11	(deleted)
2.9.225.1.12	AGM 130
2.9.225.1.12.1	AGM-130A
2.9.225.1.12.2	AGM-130C
2.9.225.1.13	Boeing 120-mm Fiber Optic Mortar Projectile (FOMP)
2.9.225.1.14	Mk-82

Field Value	Description
2.9.225.1.14.1	GBU-12 Mk 82 500-lb
2.9.225.1.14.1.1	(deleted)
2.9.225.1.14.1.2	.10 sec delay
2.9.225.1.14.1.3	.25 sec delay
2.9.225.1.14.2	GBU-38/B JDAM
2.9.225.1.15	Mk-84 bomb
2.9.225.1.15.1	GBU-15 Glide Bomb
2.9.225.1.15.2	GBU-24A/B Glide Bomb
2.9.225.1.15.3	PAVEWAY II laser-guided
2.9.225.1.15.4	GBU-10 Mk 84 2000-lb
2.9.225.1.15.4.1	Impact fuse
2.9.225.1.15.4.2	.10 sec delay
2.9.225.1.15.4.3	.25 sec delay
2.9.225.1.15.5	Mk-84 GAMS
2.9.225.1.15.6	GBU-31A JDAM
2.9.225.1.16	Paveway III
2.9.225.1.16.1	GBU-24A/B Mk 109/B 2000-lb pen Bm
2.9.225.1.16.2	GBU-24B Mk 84 2000-lb HE bomb
2.9.225.1.16.3	GBU-28B (BLU-113/B)
2.9.225.1.17	Army TACMS
2.9.225.1.17.1	M39
2.9.225.1.17.2	Block IA
2.9.225.1.17.3	Block II
2.9.225.1.17.4	Block IIA
2.9.225.1.17.5	Block IA Unitary
2.9.225.1.18	Mk-83 1000-lb LGB
2.9.225.1.18.1	GBU - 16Mk 83
2.9.225.1.18.2	Mk 13/18
2.9.225.1.18.3	GBU-32 JDAM
2.9.225.1.19	Tomahawk
2.9.225.1.19.1	BGM - 109C (TLAM-C)
2.9.225.1.19.2	BGM - 109D (TLAM-D)
2.9.225.1.19.3	Tactical Tomahawk Penetrator Variant Mk14
2.9.225.1.19.4	Tactical Tomahawk Penetrator Variant Mk45 Mod1
2.9.225.1.19.5	TACTOM BGM 109E
2.9.225.1.20	BLU-109/B Bomb
2.9.225.1.20.1	GBU-10G
2.9.225.1.20.2	GBU-10H
2.9.225.1.20.3	GBU-10J

Field Value	Description
2.9.225.1.20.4	GBU-24A
2.9.225.1.20.5	GBU-27A
2.9.225.1.20.6	GBU-15(V)-31
2.9.225.1.20.7	GBU-15(V)-32
2.9.225.1.20.8	GBU-31B JDAM
2.9.225.1.21	AGM-154 Joint Standoff Munition
2.9.225.1.21.1	AGM-154A (w/BLU-97 CEM)
2.9.225.1.21.2	AGM-154B (w/BLU-108 SFW)
2.9.225.1.21.3	AGM-154C (unitary w/BLU-111)
2.9.225.1.22	Wind-Corrected Munitions Dispenser (WCMD)
2.9.225.1.22.1	WCMD with Gator mines (BLU-91/92)
2.9.225.1.22.2	WCMD with Combined Effects Munition (BLU-97/B)
2.9.225.1.22.3	CBU-105 (WCMD w/BLU-108 SFW)
2.9.225.1.23	Low Cost Autonomous Attack System (LOCAAS)
2.9.225.1.24	Small Diameter Bomb
2.9.225.1.24.1	GBU-39/B
2.9.225.1.24.2	GBU-40/B
2.9.225.1.25	Massive Ordnance Air Blast (MOAB)
2.9.225.1.25.1	GBU-43/B
2.9.225.1.26	AGM-158 Joint Air-to-Surface Standoff Missile (JASSM)
2.9.225.1.26.1	AGM-158A JASSM
2.9.225.1.26.2	AGM-158B JASSM-ER
2.9.225.2	Ballistic
2.9.225.2.1	20 mm
2.9.225.2.1.1	M39
2.9.225.2.1.2	M56 HEI
2.9.225.2.1.3	M56A3 HE/I
2.9.225.2.1.4	M210 HEI
2.9.225.2.1.5	M242 HE-I-T
2.9.225.2.1.6	M246 HEIT-SD
2.9.225.2.1.7	M246 HEI-T
2.9.225.2.1.8	M940 MPT-SD
2.9.225.2.1.9	Mk 149 (Mod2, 4) CIWS
2.9.225.2.2	25 mm
2.9.225.2.2.1	M792 HEI-T
2.9.225.2.2.2	PGU-22/25 HE-I
2.9.225.2.2.3	M791 APDS-T
2.9.225.2.2.4	M919 APFSDS-T
2.9.225.2.3	30 mm



Field Value	Description
2.9.225.2.3.1	M789 HEDP
2.9.225.2.3.2	M799 HE-I
2.9.225.2.4	40 mm
2.9.225.2.4.1	Grenade cartridges
2.9.225.2.4.2	M433 HEDP
2.9.225.2.4.3	M397 Airburst
2.9.225.2.4.4	M397A1 Airburst
2.9.225.2.4.5	M381 HE
2.9.225.2.4.6	M386 HE
2.9.225.2.4.7	M406 HE
2.9.225.2.4.8	(deleted)
2.9.225.2.4.9	M441 HE
2.9.225.2.4.10	M576 Buckshot
2.9.225.2.4.11	M583 White star parachute
2.9.225.2.4.12	M583A1 White star parachute
2.9.225.2.4.13	M585 Star cluster
2.9.225.2.4.14	M651 Tactical CS
2.9.225.2.4.15	M661 Green star parachute
2.9.225.2.4.16	M662 Red star parachute
2.9.225.2.4.17	M676 Yellow smoke canopy
2.9.225.2.4.18	M680 White smoke canopy
2.9.225.2.4.19	M682 Red smoke canopy
2.9.225.2.4.20	M713 Red ground smoke marker
2.9.225.2.4.21	M715 Green ground smoke marker
2.9.225.2.4.22	M716 Yellow ground smoke marker
2.9.225.2.4.23	Grenade, HE, 40mm, M383
2.9.225.2.5	60 mm
2.9.225.2.5.1	M49A4 HE bomb
2.9.225.2.5.2	M49A5 HE bomb
2.9.225.2.5.3	M83A3 illuminating bomb
2.9.225.2.5.4	M302A2 smoke bomb
2.9.225.2.5.5	M720 HE bomb
2.9.225.2.5.6	Projectile, 60-mm, HE-Frag, M888
2.9.225.2.6	66 mm rocket
2.9.225.2.7	76 mm
2.9.225.2.7.1	M352 HE
2.9.225.2.7.2	M361 smoke
2.9.225.2.7.3	M361A1 smoke
2.9.225.2.7.4	M363 HE

Field Value	Description
2.9.225.2.8	81 mm
2.9.225.2.8.1	M43A1 HE bomb
2.9.225.2.8.2	M43A1B1 HE bomb
2.9.225.2.8.3	M57 smoke WP bomb
2.9.225.2.8.4	M57A1 smoke WP bomb
2.9.225.2.8.5	M301A1 illuminating bomb
2.9.225.2.8.6	M301A2 illuminating bomb
2.9.225.2.8.7	M301A3 illuminating bomb
2.9.225.2.8.8	M362 HE bomb
2.9.225.2.8.9	M362A1 HE bomb
2.9.225.2.8.10	M370 smoke bomb
2.9.225.2.8.11	M374 HE bomb
2.9.225.2.8.12	M374A2 HE bomb
2.9.225.2.8.13	M374A3 HE bomb
2.9.225.2.8.14	M375 smoke bomb
2.9.225.2.8.15	M375A1 smoke bomb
2.9.225.2.8.16	M375A2 smoke bomb
2.9.225.2.8.17	M445 training bomb
2.9.225.2.8.18	Projectile, Mortar, 81mm, High Explosive M889A1
2.9.225.2.9	90 mm
2.9.225.2.9.1	M71 HE
2.9.225.2.9.2	M71 A1 HE-T
2.9.225.2.9.3	M313 smoke
2.9.225.2.9.4	M313C smoke
2.9.225.2.10	105 mm
2.9.225.2.10.1	M1 HE
2.9.225.2.10.2	M60 Agent H/HD
2.9.225.2.10.3	M60 smoke
2.9.225.2.10.4	M84 smoke
2.9.225.2.10.5	M314 illumination
2.9.225.2.10.6	M314A3, illuminating cartridge
2.9.225.2.10.7	M327 HEP/HEP-T
2.9.225.2.10.8	M360 Agent GB
2.9.225.2.10.9	M393 HEP-T
2.9.225.2.10.10	M413 HE
2.9.225.2.10.11	M416 smoke WP
2.9.225.2.10.12	M444 HE
2.9.225.2.10.13	M548 HERA
2.9.225.2.10.14	M629 tactical CS

Field Value	Description
2.9.225.2.10.15	M657 HE-T
2.9.225.2.10.16	M760 HE
2.9.225.2.10.17	M913 RAP
2.9.225.2.10.18	XM872 KE
2.9.225.2.11	120 mm
2.9.225.2.11.1	M933HE
2.9.225.2.11.2	M934HE
2.9.225.2.11.3	M57 HE
2.9.225.2.11.4	M68 WP
2.9.225.2.11.5	M929 WP
2.9.225.2.11.6	M91 Illumination
2.9.225.2.11.7	M930 Illumination
2.9.225.2.12	127 mm (5.0 in)
2.9.225.2.12.1	Zuni rocket
2.9.225.2.13	152 mm
2.9.225.2.14	155 mm
2.9.225.2.14.1	BGD155C ICM
2.9.225.2.14.2	M107 HE
2.9.225.2.14.2.1	Variable time
2.9.225.2.14.2.2	Point detonating
2.9.225.2.14.3	M483A1 HE DP (ICM)
2.9.225.2.14.4	M485 illumination
2.9.225.2.14.5	M485A1 illumination
2.9.225.2.14.6	M485A2 illumination
2.9.225.2.14.7	M549 HE RA
2.9.225.2.14.8	M549A1 HE RA
2.9.225.2.14.9	M864 BB ICM
2.9.225.2.14.10	M449 APICM
2.9.225.2.14.11	M731 FASCAM ADAM
2.9.225.2.14.12	M741
2.9.225.2.14.13	M116A1 HC Smoke
2.9.225.2.14.14	M825 WP
2.9.225.2.14.15	Projectile, 155-mm, Extended Range, XM982
2.9.225.2.14.16	M121 VX
2.9.225.2.14.17	M121 GB
2.9.225.2.14.18	M692 ADAM
2.9.225.2.14.19	M718 RAAM-L
2.9.225.2.14.20	M795 HE
2.9.225.2.14.20.1	Variable time

Field Value	Description
2.9.225.2.14.20.2	Point detonating
2.9.225.2.14.21	M687 BINARY
2.9.225.2.15	203 mm
2.9.225.2.15.1	M106 HE
2.9.225.2.15.2	M404 HE/ICM
2.9.225.2.15.3	M422 nuclear
2.9.225.2.15.4	M426 Agent GB
2.9.225.2.15.5	M509 HE/ICM
2.9.225.2.15.6	M509 A1, HE/ICM
2.9.225.2.15.7	M650 HERA
2.9.225.2.15.8	M753 nuclear
2.9.225.2.16	227 mm rocket
2.9.225.2.17	(deleted)
2.9.225.2.18	107 mm
2.9.225.2.18.1	M328 smoke bomb
2.9.225.2.18.2	M328 A1 smoke bomb
2.9.225.2.18.3	M329 A1 HE bomb
2.9.225.2.18.4	M329 A2 HE bomb
2.9.225.2.18.5	M335 illuminating bomb
2.9.225.2.18.6	M335 A2 illuminating bomb
2.9.225.2.18.7	M630 tactical CS bomb
2.9.225.2.19	7.62 mm
2.9.225.2.19.1	A131 (4 Ball & 1 Tracer Mix)
2.9.225.2.19.2	M62 (4 Ball & 1 Tracer)
2.9.225.2.19.3	M80
2.9.225.2.19.4	A131
2.9.225.2.20	12.7 mm
2.9.225.2.20.1	M2 ball
2.9.225.2.20.2	M17 tracer
2.9.225.2.20.3	M33 ball
2.9.225.2.20.4	A621 .50 4 Ball M33/1 Tr M17
2.9.225.2.20.5	.50 Inc M1
2.9.225.2.20.6	.50 Tr M1
2.9.225.2.20.7	.50 AP M2
2.9.225.2.20.8	.50 API M8
2.9.225.2.20.9	.50 API-T M20
2.9.225.2.20.10	.50 Inc M23
2.9.225.2.20.11	A530 .50 4 AP M2/1 Tr M17
2.9.225.2.20.12	A534 .50 4 API M8/1 API-T M20

Field Value	Description
2.9.225.2.20.13	A539 .50 3 API M8/1 Tr M17
2.9.225.2.20.14	A540 .50 4 API M8/1 Tr M1
2.9.225.2.20.15	A547 .50 1 API M8/1 Inc M1
2.9.225.2.20.16	A549 .50 2 AP M2/2 Inc M1/1 Tr M1
2.9.225.2.20.17	A556 .50 4 Ball M2/1 Tr M1
2.9.225.2.20.18	A557 .50 4 Ball M2/1 Tr M17
2.9.225.2.21	70 mm (2.75 in) rocket
2.9.225.2.21.1	M 151 HE
2.9.225.2.21.2	M 255 flechette
2.9.225.2.21.3	M 261 submunitions
2.9.225.2.21.4	M 262
2.9.225.2.21.5	M229 HE
2.9.225.2.21.6	Rocket, 2.75in, Smoke, WP, M264
2.9.225.2.22	175 mm <sub>a</sub>
2.9.225.2.22.1	M437A1 HE
2.9.225.2.22.2	M437A2 HE
2.9.225.2.23	165 mm
2.9.225.2.23.1	HEP
2.9.225.2.24	(deleted)
2.9.225.2.25	(deleted)
2.9.225.2.26	(deleted)
2.9.225.2.27	(deleted)
2.9.225.2.28	(deleted)
2.9.225.2.29	(deleted)
2.9.225.2.30	(deleted)
2.9.225.2.31	(deleted)
2.9.225.2.32	(deleted)
2.9.225.2.33	(deleted)
2.9.225.2.34	(deleted)
2.9.225.2.35	(deleted)
2.9.225.2.36	(deleted)
2.9.225.2.37	(deleted)
2.9.225.2.38	(deleted)
2.9.225.2.39	(deleted)
2.9.225.2.40	M76 vehicle smoke grenade
2.9.225.2.41	M243 smoke grenade
2.9.225.2.42	M250 smoke grenade
2.9.225.2.43	M257 grenade
2.9.225.2.43.1	L8A1/A3 red phosphorous smoke grenade

Field Value	Description
2.9.225.2.43.2	L8A1/A3 WP smoke grenade
2.9.225.2.44	M545 universal fragmentation grenade
2.9.225.2.45	M560-series antipersonnel fragmentation grenades
2.9.225.2.46	Ring Airfoil Grenade (RAG)
2.9.225.2.47	(deleted)
2.9.225.2.48	(deleted)
2.9.225.2.49	(deleted)
2.9.225.2.50	B28 nuclear bomb
2.9.225.2.50.1	B28 EX
2.9.225.2.50.2	B28 FI
2.9.225.2.50.3	B28 IN
2.9.225.2.50.4	B28 RE
2.9.225.2.50.5	B28 RI
2.9.225.2.51	B43 nuclear bomb
2.9.225.2.52	B53 nuclear bomb
2.9.225.2.53	B57 nuclear bomb
2.9.225.2.54	B61 nuclear bomb
2.9.225.2.54.1	mod O
2.9.225.2.54.2	mod 1
2.9.225.2.54.3	mod 2
2.9.225.2.54.4	mod 3
2.9.225.2.54.5	mod 4
2.9.225.2.54.6	mod 5
2.9.225.2.55	B83 nuclear bomb
2.9.225.2.56	BLU-73/B FAE Bomb
2.9.225.2.57	BLU-109/B Bomb
2.9.225.2.57.1	(deleted)
2.9.225.2.57.2	(deleted)
2.9.225.2.57.3	(deleted)
2.9.225.2.57.4	(deleted)
2.9.225.2.57.5	(deleted)
2.9.225.2.57.6	(deleted)
2.9.225.2.57.7	(deleted)
2.9.225.2.57.8	BLU-109/B Low Drag
2.9.225.2.57.8.1	Impact fuse
2.9.225.2.57.8.2	.10 sec delay
2.9.225.2.57.8.3	.25 sec delay
2.9.225.2.58	CBU 15
2.9.225.2.59	CBU 52

Field Value	Description
2.9.225.2.60	CBU-55
2.9.225.2.60.1	CBU-55/B
2.9.225.2.60.2	CBU-72
2.9.225.2.61	CBU 58
2.9.225.2.62	CBU 71
2.9.225.2.63	CBU 75
2.9.225.2.64	CBU 87
2.9.225.2.64.1	CBU-87/B (CEM)
2.9.225.2.65	(deleted)
2.9.225.2.66	CBU 89
2.9.225.2.67	CBU-97/B
2.9.225.2.68	Direct Airfield Attack Combined Munition Weapon (DAACM)
2.9.225.2.69	Durandal
2.9.225.2.70	M117 GP bomb
2.9.225.2.70.1	M117R
2.9.225.2.71	Mk-7 Dispenser
2.9.225.2.71.1	CBU-78/B Gator mines (USN)
2.9.225.2.71.2	CBU-59/B APAM
2.9.225.2.72	Mk-81
2.9.225.2.72.1	Mk-81 Low Drag General Purpose
2.9.225.2.72.2	Mk-81 Snakeye
2.9.225.2.73	Mk-82
2.9.225.2.73.1	Mk-82 air inflatable retard
2.9.225.2.73.1.1	Impact fuse
2.9.225.2.73.1.4	Proximity fuse
2.9.225.2.73.2	Mk-82 Low Drag General Purpose
2.9.225.2.73.2.1	Impact fuse
2.9.225.2.73.2.2	.10 sec. delay
2.9.225.2.73.2.3	.25 sec. delay
2.9.225.2.73.3	MK-82 Snakeye
2.9.225.2.73.3.1	Impact fuse
2.9.225.2.73.3.4	Proximity fuse
2.9.225.2.73.4	BLU-111/B
2.9.225.2.74	Mk-83
2.9.225.2.74.1	BLU-110/B
2.9.225.2.75	Mk-84
2.9.225.2.75.1	Mk-84 air inflatable retard
2.9.225.2.75.1.1	Impact fuse
2.9.225.2.75.1.4	Proximity fuse

Field Value	Description
2.9.225.2.75.2	MK-84 Low Drag General Purpose
2.9.225.2.75.2.1	Impact fuse
2.9.225.2.75.2.2	.10 sec. delay
2.9.225.2.75.2.3	.25 sec delay
2.9.225.2.76	Sensor Fused Weapon (SFW)
2.9.225.2.77	165mm HEP
2.9.225.2.78	Napalm
2.9.225.2.79	Mine Clearing Lane Charge
2.9.225.2.80	MLRS Rocket
2.9.225.2.80.1	M26
2.9.225.2.80.2	M28A1
2.9.225.2.80.3	MLRS-ER
2.9.225.2.81	5.56 MM
2.9.225.2.81.1	M855 Ball
2.9.225.2.81.2	M856 Tracer
2.9.225.2.81.3	A064 (4 ball & 1 tracer mix)
2.9.225.2.82	M87 mine canister
2.9.225.2.83	BLU-82/B
2.9.225.3	Fixed
2.9.225.3.1	SLAM
Notes:	
a. The M107 175-mm gun is no longer in service with the U.S. Army but is still used by some other nations.	

## 4.2.3.57.11. Strategic

Field Value	Description
2.10.225	
2.10.225.1	Guided
2.10.225.1.1	AGM-86B ALCM
2.10.225.1.2	(deleted)
2.10.225.1.3	(deleted)
2.10.225.1.4	Tomahawk
2.10.225.1.4.1	BGM-109A (TLAM-N)
2.10.225.1.5	(deleted)
2.10.225.1.6	(deleted)
2.10.225.1.7	LGM-30G Minuteman III
2.10.225.1.8	MGM-118 Peacekeeper
2.10.225.1.9	UGM-73 Poseidon



Field Value	Description
2.10.225.1.10	UGM-93A Trident (II)

#### 4.2.3.57.12. Directed Energy (DE) Weapon

Field Value	Description
2.12.225	
2.12.225.1	Point Effect DE Weapon
2.12.225.1.1	Laser Weapon
2.12.225.1.1.1	Chemical Oxygen Iodine Laser (COIL)
2.12.225.2	Area Effect DE Weapon
2.12.225.2.1	High Power Microwave (HPM) Weapon

### 4.2.3.58. Commonwealth of Independent States Munition

#### 4.2.3.58.1. Anti-Air

Field Value	Description
2.1.222	
2.1.222.1	Guided
2.1.222.1.1	AA-1 Alkali
2.1.222.1.2	AA-2 Atoll
2.1.222.1.2.1	AA-2C
2.1.222.1.2.2	AA-2D
2.1.222.1.3	AA-3 Anab
2.1.222.1.3.1	AA-3, IR
2.1.222.1.3.2	AA-3, radar
2.1.222.1.4	(deleted)
2.1.222.1.5	AA-5 Ash
2.1.222.1.5.1	AA-5, IR
2.1.222.1.5.2	AA-5, radar
2.1.222.1.6	AA-6 Acrid
2.1.222.1.6.1	AA-6, IR
2.1.222.1.6.2	AA-6, radar
2.1.222.1.7	AA-7 Apex
2.1.222.1.7.1	AA-7, IR
2.1.222.1.7.2	AA-7, radar

Field Value	Description
2.1.222.1.8	AA-8 Aphid
2.1.222.1.8.1	AA-8A Aphid
2.1.222.1.8.2	AA-8B Aphid
2.1.222.1.8.3	AA-8C Aphid
2.1.222.1.9	AA-9 Amos
2.1.222.1.9.1	AA-9, inertial
2.1.222.1.9.2	AA-9, command update
2.1.222.1.9.3	AA-9, radar
2.1.222.1.10	AA-10 Alamo
2.1.222.1.10.1	AA-10A, short burn radar
2.1.222.1.10.2	AA-10B, short burn, IR
2.1.222.1.10.3	AA-10C, long burn radar
2.1.222.1.10.4	AA-10D, long burn, IR
2.1.222.1.11	AA-11 Archer
2.1.222.1.12	AA-X-12
2.1.222.1.13	(deleted)
2.1.222.1.14	SA-2 Guideline
2.1.222.1.14.1	(deleted)
2.1.222.1.14.2	SA-2b Guideline Mod 1
2.1.222.1.14.3	SA-2d Guideline Mod3
2.1.222.1.14.4	SA-2f Guideline Mod5
2.1.222.1.15	(deleted)
2.1.222.1.16	SA-4 Ganef
2.1.222.1.16.1	SA-4A
2.1.222.1.16.2	SA-4B
2.1.222.1.17	SA-5 Gammon
2.1.222.1.17.1	SA-5A
2.1.222.1.17.2	SA-5B
2.1.222.1.17.3	SA-5C
2.1.222.1.18	SA-6 Gainful
2.1.222.1.18.1	SA-6A
2.1.222.1.18.2	SA-6B
2.1.222.1.19	SA-7 Grail
2.1.222.1.19.1	SA-7A
2.1.222.1.19.2	SA-7B
2.1.222.1.19.3	SA-7B (Spetsnaz mod)
2.1.222.1.19.4	SA-7C
2.1.222.1.20	SA-8 Gecko
2.1.222.1.20.1	SA-8A mod 0

Field Value	Description
2.1.222.1.20.2	SA-8B mod 1
2.1.222.1.21	SA-9 Gaskin
2.1.222.1.22	SA-10 Grumble
2.1.222.1.22.1	SA-10a Grumble Mod 0
2.1.222.1.22.2	SA-10b Grumble Mod 1
2.1.222.1.22.3	SA-10c Grumble Mod 2
2.1.222.1.23	SA-11 Gadfly
2.1.222.1.24	SA-12 Gladiator/Giant
2.1.222.1.24.1	SA-12A Gladiator SAM
2.1.222.1.24.2	(deleted)
2.1.222.1.24.3	SA-X-12B Giant SAM
2.1.222.1.24.4	SA-X-12B Giant SAM (rail w/ SS-24)
2.1.222.1.25	SA-13 Gopher
2.1.222.1.25.1	Strela 10M2
2.1.222.1.25.2	Strela 10M3
2.1.222.1.26	SA-14 Gremlin
2.1.222.1.27	SA-15 Gauntlet
2.1.222.1.28	SA-16 Gimlet
2.1.222.1.29	SA-17 Grizzly
2.1.222.1.30	SA-18
2.1.222.1.31	SA-19 Grison
2.1.222.1.31.1	SA-N-11
2.1.222.1.32	SA-N-1 Goa (M-1 Volga-M)
2.1.222.1.33	SA-N-3 Goblet
2.1.222.1.33.1	SA-N-3 Mod 0
2.1.222.1.33.2	SA-N-3B Mod 1
2.1.222.1.34	SA-N-4 (OSA-M)
2.1.222.1.35	SA-N-5 Grail (Strela 2)
2.1.222.1.36	SA-N-6
2.1.222.1.37	SA-N-7 Gadfly (Smerch/Shtil)
2.1.222.1.38	SA-N-8 Gremlin (Strela 3)
2.1.222.1.39	SA-N-9 Tor-M/Klinok
2.1.222.1.40	SA-N-11 (9M311)
2.1.222.1.41	SA-3 Goa
2.1.222.1.42	SA-20 Gargoyle
2.1.222.2	Ballistic
2.1.222.2.1	12.7 mm
2.1.222.2.2	14.5 mm
2.1.222.2.2.1	API

Field Value	Description
2.1.222.2.2.2	API-T
2.1.222.2.2.3	I-T
2.1.222.2.3	23 mm
2.1.222.2.3.1	NS HE-I-T OZT
2.1.222.2.3.2	NS AP-I BZ
2.1.222.2.3.3	VYa HE-I-T OZT
2.1.222.2.3.4	VYa AP-I BZ
2.1.222.2.4	(deleted)
2.1.222.2.5	25 mm
2.1.222.2.5.1	M1940 HE-I-T UOZR-132
2.1.222.2.5.2	M1940 AP-T UZR-132
2.1.222.2.5.3	2-M3
2.1.222.2.5.4	2-M8
2.1.222.2.6	30 mm
2.1.222.2.6.1	BR-83 AP-T
2.1.222.2.6.2	OF-83D HE
2.1.222.2.7	57 mm
2.1.222.2.8	76 mm
2.1.222.2.9	85 mm
2.1.222.2.10	100 mm
2.1.222.2.11	130 mm
2.1.222.2.11.1	SM-4-1
2.1.222.2.12	37 mm

#### 4.2.3.58.2. Anti-Armor

Field Value	Description
2.2.222	
2.2.222.1	Guided
2.2.222.1.1	(deleted)
2.2.222.1.2	(deleted)
2.2.222.1.3	AT-1 Snapper
2.2.222.1.4	AT-2 Swatter
2.2.222.1.4.1	Swatter A/B (radio command)
2.2.222.1.4.2	Swatter C (SACLOS)
2.2.222.1.5	AT-3 Sagger
2.2.222.1.5.1	Sagger (MCLOS)
2.2.222.1.6	AT-4 Spigot
2.2.222.1.6.1	Spigot A

Field Value	Description
2.2.222.1.6.2	Spigot B
2.2.222.1.7	AT-5 Spandrel
2.2.222.1.8	AT-6 Spiral
2.2.222.1.9	AT-7 Saxhorn
2.2.222.1.9.1	AT-13 Metis-M
2.2.222.1.10	AT-8 Songster
2.2.222.1.11	AT-9
2.2.222.1.12	AT -10 Stabber
2.2.222.1.13	AT-11 Sniper
2.2.222.1.14	AT-12
2.2.222.1.15	AT-14
2.2.222.1.15.1	AT-14 KORNET-LR
2.2.222.1.15.2	AT-14 FAE
2.2.222.2	Ballistic
2.2.222.2.1	23 mm
2.2.222.2.2	30 mm
2.2.222.2.2.1	30mm AP-T
2.2.222.2.2.2	30mm APDS-T
2.2.222.2.2.3	30mm APFSDS-T
2.2.222.2.3	64 mm
2.2.222.2.3.1	(w/ RPG-18 light anti-armor weapon)
2.2.222.2.4	73 mm
2.2.222.2.4.1	HEAT FS
2.2.222.2.4.2	HEAT-FS, PG-7VL
2.2.222.2.5	76 mm
2.2.222.2.6	80 mm
2.2.222.2.7	82 mm
2.2.222.2.7.1	BK-881 HEAT
2.2.222.2.7.2	BK-881M HEAT
2.2.222.2.8	85 mm
2.2.222.2.8.1	HEAT
2.2.222.2.9	107 mm
2.2.222.2.10	115 mm
2.2.222.2.10.1	HEAT-FS
2.2.222.2.10.2	HVAPFSDS
2.2.222.2.11	125 mm
2.2.222.2.11.1	APFSDS-T BM-9
2.2.222.2.11.2	APFSDS-T BM-12
2.2.222.2.11.3	HEAT-FS BM-14m

Field Value	Description
2.2.222.2.11.4	HVAPFSDS
2.2.222.2.11.5	APFSDS-T, BM-42M
2.2.222.2.11.6	HEAT-T, BK-29M
2.2.222.2.11.7	HEAT-T, BK-27
2.2.222.2.12	BRAB-200DS HE AP
2.2.222.2.13	BRAB-220 HE AP
2.2.222.2.14	BRAB-500 HE AP
2.2.222.2.15	BRAB-1000 HE AP
2.2.222.2.16	PTAB-2.5 bomblet HE anti-armor
2.2.222.2.17	122mm
2.2.222.2.17.1	HEAT
2.2.222.2.18	120mm
2.2.222.2.18.1	HEAT-FS
2.2.222.2.19	100mm
2.2.222.2.19.1	APFSDS-T
2.2.222.2.19.2	HEAT
2.2.222.2.19.3	HEAT-FS
2.2.222.2.20	RPG-7VAT Grenade Launcher
2.2.222.2.21	130 mm
2.2.222.2.21.1	APC-T BR-482B
2.2.222.2.22	152mm
2.2.222.2.22.1	Projectile, 152-mm, HEAT-FS
2.2.222.2.22.2	APC-T, 3BR-540, 152mm
2.2.222.2.23	105mm
2.2.222.2.23.1	PG-29V 105mm HEAT (Tandem)
2.2.222.2.24	57mm Air to ground rockets
2.2.222.2.24.1	57mm HEAT rocket, S-5

#### 4.2.3.58.3. Anti-Guided Weapon

Field Value	Description
2.3.222	
2.3.222.1	Guided
2.3.222.1.1	SH-01 Galosh (UR-96)
2.3.222.1.1.1	(deleted)
2.3.222.1.1.2	SH-08
2.3.222.1.1.3	SH-11 Gorgon
2.3.222.2	Ballistic

Field Value	Description
2.3.222.2.1	30 mm
2.3.222.2.1.1	UOF-84 HE-I
2.3.222.2.1.2	UOR-84 HE-T

## 4.2.3.58.4. Antiradar

Field Value	Description
2.4.222	
2.4.222.1	Guided
2.4.222.1.1	AS-4 Kitchen
2.4.222.1.2	AS-9 Kyle
2.4.222.1.3	AS-12 Kegler
2.4.222.1.4	AS-11 Kilter
2.4.222.1.4.1	AS-11A, Mod 1 Kilter
2.4.222.1.4.2	AS-11B, Mod 2 Kilter
2.4.222.1.5	KH-31P/X-31 or possibly AS-17
2.4.222.1.6	SS-21 Scarab
2.4.222.1.6.1	Tochka-R
2.4.222.1.7	Kh-29MP Kedge anti-radar
2.4.222.1.7.1	Kh-29T Kedge (AS-14A) TV-guided
2.4.222.1.7.2	Kh-29L Kedge (AS-14B) laser-guided
2.4.222.1.7.3	Kh-29D Kedge infrared guided
2.4.222.1.7.4	Kh-29LE Kedge laser guided export
2.4.222.1.7.5	Kh-29ML Kedge
2.4.222.1.7.6	Kh-29TE Kedge TV guided

## 4.2.3.58.5. Antisatellite

Field Value	Description
2.5.222	
2.5.222.1	Guided
2.5.222.1.1	Antisatellite System

## 4.2.3.58.6. Antiship

Field Value	Description
2.6.222	
2.6.222.1	Guided

Field Value	Description
2.6.222.1.1	AS-2 Kipper
2.6.222.1.2	AS-4 Kitchen
2.6.222.1.3	(deleted)
2.6.222.1.4	AS-6 Kingfish
2.6.222.1.5	AS-13 Kingbolt
2.6.222.1.6	(deleted)
2.6.222.1.7	AS-15 Kent
2.6.222.1.7.1	Kh-55 Kent (AS-15A)
2.6.222.1.7.2	Kh-55SM Kent Mod 1 (AS-15B)
2.6.222.1.7.3	Kent Mod 2
2.6.222.1.8	SS-N-2 Styx
2.6.222.1.8.1	SS-N-2a
2.6.222.1.8.2	SS-N-2b
2.6.222.1.8.3	SS-N-2c
2.6.222.1.8.4	SS-N-2d
2.6.222.1.9	SS-N-7 Starbright
2.6.222.1.10	SS-N-9 Siren
2.6.222.1.11	SS-N-12 Sandbox
2.6.222.1.12	SS-N-19 Shipwreck
2.6.222.1.12.1	Boost phase vehicle
2.6.222.1.12.2	Jettisoned vehicle
2.6.222.1.12.3	Separated warhead
2.6.222.1.13	SS-N-22 Sunburn
2.6.222.1.14	SS-N-3 Shaddock
2.6.222.1.14.1	SS-N-3a
2.6.222.1.14.2	SS-N-3b
2.6.222.1.14.3	SS-N-3c
2.6.222.1.15	SSC-2b Samlet Cruise
2.6.222.1.16	SSC-1b Sepal
2.6.222.1.17	SSC-3 Styx
2.6.222.1.18	533-mm torpedo
2.6.222.1.19	406-mm torpedo
2.6.222.1.20	(deleted)
2.6.222.1.21	(deleted)
2.6.222.1.22	SS-N-21 Sampson
2.6.222.1.23	SS-N-25 (Kh 35)
2.6.222.1.24	AS-5 Kelt
2.6.222.1.25	AS-10 Karen
2.6.222.1.26	Kh-31 Krypton (AS-17) Non-ARM



Field Value	Description
2.6.222.1.26.1	Kh-31A Krypton (AS-17A)
2.6.222.1.26.2	Kh-31AD Krypton (AS-17B)
2.6.222.1.27	53 CM Torpedo Thermal (turbine)
2.6.222.1.28	65 CM Torpedo Thermal
2.6.222.1.29	SSC-X-5 (SS-NX-26)
2.6.222.1.29.1	Yakhont
2.6.222.1.30	SSC-6 (SS-N-25)
2.6.222.1.31	P-270 Moskit (Kh-41)
2.6.222.1.32	M51
2.6.222.1.33	53-56/51 Torpedo
2.6.222.1.34	Kh-59M Kazoo (AS-18)
2.6.222.1.35	Kh-35 Kayak (AS-20)
2.6.222.1.36	SS-NX-30 Conventional LACM
2.6.222.1.37	PJ-10
2.6.222.1.38	M-5 Torpedo
2.6.222.1.39	USET-80 Torpedo
2.6.222.1.40	SAET-50 Torpedo
2.6.222.1.41	SET 53A Torpedo
2.6.222.1.42	3M-14E (Klub) SS-N-17
2.6.222.2	Ballistic
2.6.222.2.1	12.7 mm
2.6.222.2.2	14.5 mm
2.6.222.2.3	23 mm
2.6.222.2.4	25 mm
2.6.222.2.5	30 mm
2.6.222.2.5.1	BR-83 AP-T
2.6.222.2.5.2	OF-83D HE
2.6.222.2.6	57 mm
2.6.222.2.7	76 mm
2.6.222.2.8	85 mm
2.6.222.2.9	100 mm
2.6.222.2.10	130 mm
2.6.222.2.10.1	SM-4-1
2.6.222.3	Fixed
2.6.222.3.1	M-26 mine

## 4.2.3.58.7. Antisubmarine

Field Value	Description
-------------	-------------

Field Value	Description
2.7.222	
2.7.222.1	Guided
2.7.222.1.1	(deleted)
2.7.222.1.2	SS-N-14 Silex
2.7.222.1.3	SS-N-15 Starfish
2.7.222.1.4	SS-N-16 Stallion
2.7.222.1.5	533-mm torpedo
2.7.222.1.5.1	Type 3
2.7.222.1.5.2	Type 3 nuclear
2.7.222.1.5.3	new passive wake-homing turbine
2.7.222.1.5.4	new electric
2.7.222.1.6	406-mm Type 40 torpedo
2.7.222.1.7	650-mm submarine-launched torpedo
2.7.222.1.8	(deleted)
2.7.222.1.9	(deleted)
2.7.222.1.10	(deleted)
2.7.222.1.11	(deleted)
2.7.222.1.12	(deleted)
2.7.222.1.13	Type 45 (light, air-launched)
2.7.222.1.14	Type E53 (light, air-launched)
2.7.222.1.15	Test 71 Torpedo
2.7.222.1.16	APR-2 Torpedo
2.7.222.1.17	APR-3 Torpedo
2.7.222.1.18	E40-79 Torpedo
2.7.222.2	Ballistic
2.7.222.2.1	FRAS-1/SUW-N-1 (VETER)
2.7.222.2.2	RBU 1000
2.7.222.2.3	RBU 1200
2.7.222.2.4	RBU 2500
2.7.222.2.5	RBU 6000
2.7.222.2.6	RBU 12000

#### 4.2.3.58.8. Antipersonnel

Field Value	Description
2.8.222	
2.8.222.2	Ballistic
2.8.222.2.1	5.45 mm

Field Value	Description
2.8.222.2.1.1	5.45-mm Soviet pistol (aka 5.45 x 18 mm)
2.8.222.2.1.2	5.45-mm Soviet rifle (aka 5.45 x 39.5 mm and 5.45-mm M74)
2.8.222.2.2	7.62 mm
2.8.222.2.2.1	7.62 x 25-mm Soviet pistol (aka 7.62-mm Tokarev)
2.8.222.2.2.2	7.62 x 38R Nagant Revolver (aka 7.62-mm Soviet revolver and 7.62-mm Nagant gas-seal)
2.8.222.2.2.3	7.62-mm Soviet M1943 (aka 7.62 x 39 mm, 7.62-mm Kalashnikov, and 7.62-mm obr 43g)
2.8.222.2.2.4	7.62-mm Mosin-Nagant (aka 7.62 x 54R, 7.62-mm Soviet Rimmed, and 7.62-mm obr 1891)
2.8.222.2.3	9 mm
2.8.222.2.3.1	9-mm Makarov (aka 9 x 18 mm Soviet, 9-mm Stechkin, and 9-mm Type 59)
2.8.222.2.4	(deleted)
2.8.222.2.5	(deleted)
2.8.222.2.6	(deleted)
2.8.222.2.7	82 mm
2.8.222.2.7.1	HE fragmentation (O-881A)
2.8.222.2.8	107-mm M-38 mortar
2.8.222.2.9	AO-1 SCH bomblet HE submunition
2.8.222.2.10	AO-2.5 bomblet
2.8.222.2.11	AO-2.5 HE submunition
2.8.222.2.12	AO-2.5-2 HE submunition
2.8.222.2.13	AO-8M2 HE
2.8.222.2.14	AO-10 HE
2.8.222.2.15	AO-10-6.5 HE
2.8.222.2.16	AO-20 HE
2.8.222.2.17	AO-20M3 HE
2.8.222.2.18	AO-25M1 HE
2.8.222.2.19	AO-25M2 HE
2.8.222.2.20	AO-100 HE
2.8.222.2.21	FAB-50 HE
2.8.222.2.22	FAB-70 HE
2.8.222.2.23	FAB-100 M43 HE
2.8.222.2.24	FAB-100 M62 HE
2.8.222.2.25	FAB-250 HE
2.8.222.2.26	FAB-250 M43 HE
2.8.222.2.27	FAB-250 M46 HE
2.8.222.2.28	FAB-250 M54 HE
2.8.222.2.29	FAB-250 M62 HE

Field Value	Description
2.8.222.2.30	FAB-500 HE
2.8.222.2.31	FAB-500 M46 HE
2.8.222.2.32	FAB-500 M54 HE
2.8.222.2.33	FAB-500 M62 HE
2.8.222.2.34	FAB-1000 M62 HE
2.8.222.2.35	FAB-1500 M46 HE
2.8.222.2.36	FAB-1500 M54 HE
2.8.222.2.37	FAB-3000 M46 HE
2.8.222.2.38	KhAB 100-kg (80) mustard gas/lewisite HL
2.8.222.2.39	KhAB 100-kg (100) mustard gas/lewisite HL
2.8.222.2.40	KhAB 250-kg Sarin (GB)
2.8.222.2.41	M-1 bomblet (35-40 g of liquid explosive)
2.8.222.2.42	Mustard gas/lewisite HL (from 500- and 1500-kg spray tanks)
2.8.222.2.43	OFAB-100M HE
2.8.222.2.44	OFAB-100MH HE
2.8.222.2.45	OFAB-100NV HE
2.8.222.2.46	OFAB-250M HE
2.8.222.2.47	OKT-11 bomblet (incendiary or chemical)
2.8.222.2.48	ROSAB bomblet HE
2.8.222.2.49	Soman (GD) (from 250-kg spray tank)
2.8.222.2.50	ZAB-1E incendiary (1.5 kg)
2.8.222.2.51	ZAB 500 T Shch incendiary (500 kg)
2.8.222.3	Fixed
2.8.222.3.1	Wooden TMD-B AT mine
2.8.222.3.2	(deleted)
2.8.222.3.3	(deleted)
2.8.222.3.4	(deleted)
2.8.222.3.5	TM-46 AT-blast mine
2.8.222.3.6	TMN-46 AT-blast mine
2.8.222.3.7	TM-57 AT mine
2.8.222.3.8	TM-62M AT mine (metal casing)
2.8.222.3.9	TMK-2 AT shaped-charge mine
2.8.222.3.10	Area-type POMZ-2 AP-fragmentation mine
2.8.222.3.11	(deleted)
2.8.222.3.12	MON series AP mine (directional) (MON-50/MON-90/MON-100/MON-200)
2.8.222.3.13	PMN AP-blast mine
2.8.222.3.14	(deleted)
2.8.222.3.15	AMD-500
2.8.222.3.16	AMD-1000

Field Value	Description
2.8.222.3.17	AMG-1
2.8.222.3.18	BDT mine-clearance charge
2.8.222.3.19	ITB-2 mine-clearance charge
2.8.222.3.20	KMD-500
2.8.222.3.21	KMD-1000
2.8.222.3.22	M-08
2.8.222.3.23	M-12
2.8.222.3.24	M-16
2.8.222.3.25	M-AG
2.8.222.3.26	M-KB
2.8.222.3.27	M-KB-3
2.8.222.3.28	Mirab
2.8.222.3.29	MYaM
2.8.222.3.30	MYaRM
2.8.222.3.31	MZ-26
2.8.222.3.32	OZM bounding AP mine
2.8.222.3.33	OZM-3 bounding AP mine
2.8.222.3.34	OZM-4 bounding AP mine
2.8.222.3.35	OZM-72 bounding AP mine
2.8.222.3.36	OZM-160 bounding AP mine
2.8.222.3.37	PFM-1 or PMZ AP mine/bomblet
2.8.222.3.38	PGMDM scatterable Anti-tank mine
2.8.222.3.39	PLT
2.8.222.3.40	PLT-3
2.8.222.3.41	PMD-6 wooden AP mine
2.8.222.3.42	PMD-6M wooden AP mine
2.8.222.3.43	PMD-7 wooden AP mine
2.8.222.3.44	PMD-7ts wooden AP mine
2.8.222.3.45	PMD-57 wooden AP mine
2.8.222.3.46	PMN AP mine
2.8.222.3.47	PMN-2 AP mine
2.8.222.3.48	PMN-6
2.8.222.3.49	POMZ-2 AP stake mine
2.8.222.3.50	POMZ-2M AP stake mine
2.8.222.3.51	SPZ-2 mine-clearance charge
2.8.222.3.52	SPZ-4 mine-clearance charge
2.8.222.3.53	TM-62 AT mine P2 (plastic casing)
2.8.222.3.54	TM-62B waterproof cardboard casing
2.8.222.3.55	TM-62D rectangular wooden case

Field Value	Description
2.8.222.3.56	TM-62 P3 plastic casing
2.8.222.3.57	TMD-B Anti-tank mine
2.8.222.3.58	TMD-44 Anti-tank mine
2.8.222.3.59	UEP
2.8.222.3.60	UZ-1 Bangalore torpedo
2.8.222.3.61	UZ-2 Bangalore torpedo

#### 4.2.3.58.9. Battlefield Support

Field Value	Description
2.9.222	
2.9.222.1	Guided
2.9.222.1.1	AS-3 Kangaroo
2.9.222.1.2	AS-4 Kitchen
2.9.222.1.3	(deleted)
2.9.222.1.4	AS-7 Kerry
2.9.222.1.5	AS-10 Karen
2.9.222.1.5.1	AS-10 (radio)
2.9.222.1.5.2	AS-10 (laser)
2.9.222.1.6	(deleted)
2.9.222.1.7	(deleted)
2.9.222.1.8	(deleted)
2.9.222.1.9	AS-16 Kickback
2.9.222.1.9.1	Kh-15 Kickback (AS-16A) nuclear
2.9.222.1.9.2	Kh-15 Kickback (AS-16B) conventional
2.9.222.1.10	(deleted)
2.9.222.1.11	(deleted)
2.9.222.1.12	(deleted)
2.9.222.1.13	(deleted)
2.9.222.1.14	(deleted)
2.9.222.1.15	KAB-500N laser-guided HE
2.9.222.1.16	KAB-500T TV-guided HE
2.9.222.1.17	SS-21 Scarab
2.9.222.1.17.1	SS-21 W/HE Warhead (9M79F)
2.9.222.1.17.2	SS-21 W/sub-munition warhead (9M79K)
2.9.222.1.17.3	SS-21 W/nuclear warhead (9M79B)
2.9.222.2	Ballistic
2.9.222.2.1	12.7 mm Soviet machine gun (aka 12.7 x 107mm)

Field Value	Description
2.9.222.2.1.1	API type Bz
2.9.222.2.1.2	API - T type BZT
2.9.222.2.2	14.5 mm Soviet machine gun (aka 14.5 x 114mm)
2.9.222.2.2.1	API type BS41
2.9.222.2.2.2	API-T type BZT
2.9.222.2.2.3	Incendiary type ZP
2.9.222.2.3	23 mm
2.9.222.2.4	25 mm
2.9.222.2.4.1	25 mm Soviet 2-M3
2.9.222.2.4.2	25 mm Soviet 2-M8
2.9.222.2.5	30 mm grenade
2.9.222.2.5.1	HE FRAG
2.9.222.2.6	37 mm
2.9.222.2.7	40-mm rocket
2.9.222.2.8	45 mm
2.9.222.2.9	(deleted)
2.9.222.2.10	82 mm (mortar)
2.9.222.2.10.1	82-mm model 0-832 DU HE fragmentation bomb
2.9.222.2.11	100 mm
2.9.222.2.11.1	HE-FRAG OF-412
2.9.222.2.11.2	HE-FRAG OF-17
2.9.222.2.12	107 mm
2.9.222.2.13	120 mm (mortar)
2.9.222.2.13.1	HE bomb F-843
2.9.222.2.13.2	HE bomb OF-843
2.9.222.2.13.3	HE bomb OF-843A
2.9.222.2.13.4	WP
2.9.222.2.13.5	HE FRAG
2.9.222.2.13.6	Illumination
2.9.222.2.13.7	Incendiary
2.9.222.2.13.8	HE-Frag, OF-843B
2.9.222.2.13.9	HE-Frag, RAP
2.9.222.2.14	122 mm
2.9.222.2.14.1	122mm, High Explosive, 30F-56
2.9.222.2.14.2	122mm, High Explosive - FRAG, 53-VOF-471G
2.9.222.2.14.3	122mm, DPICM
2.9.222.2.14.4	122mm, HE -Rocket Assist Projectile, 30F-463
2.9.222.2.14.5	122mm, DPICM-ER
2.9.222.2.14.6	122mm, Incendiary

Field Value	Description
2.9.222.2.14.7	122mm, Smoke, S-463
2.9.222.2.14.8	122mm, Smoke WP, 3D-4
2.9.222.2.14.9	122mm, Laser Guided, KITOLOV-2M
2.9.222.2.15	122-mm rocket
2.9.222.2.15.1	M-21-OF (9M22M)
2.9.222.2.15.2	M-21-OF (9M22U)
2.9.222.2.15.3	Smoke
2.9.222.2.15.4	HE FRAG
2.9.222.2.15.5	ICM
2.9.222.2.15.6	Illumination
2.9.222.2.15.7	Incendiary
2.9.222.2.15.8	Chemical
2.9.222.2.15.9	Jammer
2.9.222.2.16	125 mm
2.9.222.2.16.1	HE-FRAG OF-19
2.9.222.2.16.2	FRAG-HE-T, OF-26
2.9.222.2.17	130 mm
2.9.222.2.17.1	FRAG-HE OF-482M
2.9.222.2.18	139.7-mm rocket
2.9.222.2.18.1	M-14-OF
2.9.222.2.19	152 mm
2.9.222.2.19.1	HE
2.9.222.2.19.2	Projectile, 152-mm, Flechette
2.9.222.2.19.3	Projectile, 152-mm, ICM
2.9.222.2.19.4	Projectile, 152-mm, Incendiary
2.9.222.2.19.5	Projectile, 152-mm, Concrete Piercing
2.9.222.2.19.6	Projectile, 152-mm, Illuminating
2.9.222.2.19.7	Projectile, 152-mm, Chemical: VX
2.9.222.2.19.8	Projectile, 152-mm, Chemical: GD
2.9.222.2.19.9	Projectile, 152-mm, Chemical: AC
2.9.222.2.19.10	Projectile, 152-mm, DPICM
2.9.222.2.19.11	Projectile, 152-mm, DPICM, Base Bleed
2.9.222.2.19.12	Projectile, 152-mm, HE, Base Bleed
2.9.222.2.19.13	Projectile, 152-mm, HE-Frag, RAP
2.9.222.2.19.14	Projectile, 152-mm, HE-Frag, 3OF-45
2.9.222.2.20	160 mm (mortar)
2.9.222.2.20.1	HE BOMB F-853U
2.9.222.2.20.2	HE BOMB F-853A
2.9.222.2.20.3	HE Bomb F-852



Field Value	Description
2.9.222.2.21	180 mm
2.9.222.2.22	203-mm Howitzer
2.9.222.2.22.1	203-mm, High Explosive-Frag
2.9.222.2.22.2	203-mm, DPICM
2.9.222.2.22.3	203-mm, HE-Concrete Piercing
2.9.222.2.22.4	203-mm, HE, OF-43
2.9.222.2.22.5	203-mm, HE-RAP
2.9.222.2.22.6	203-mm, HE-Frag, Base Bleed
2.9.222.2.22.7	203-mm, DPICM, Base Bleed
2.9.222.2.23	220-mm rocket
2.9.222.2.24	240 mm (mortar)
2.9.222.2.24.1	F-864 HE bomb
2.9.222.2.25	240-mm rocket
2.9.222.2.26	250-mm rocket
2.9.222.2.27	400-mm rocket
2.9.222.2.28	550-mm rocket
2.9.222.2.29	600-mm rocket
2.9.222.2.30	850-mm missile
2.9.222.2.31	1100-mm missile
2.9.222.2.32	250 SHN HE (parachute-retarded)
2.9.222.2.33	500 SH HE (parachute-retarded)
2.9.222.2.34	BETAB-150DS HE concrete-piercing
2.9.222.2.35	OF-841A HE fragmentation bomb
2.9.222.2.36	81mm smoke grenade
2.9.222.2.37	Frog-7
2.9.222.2.38	57 mm rocket
2.9.222.2.38.1	S5
2.9.222.2.39	73mm
2.9.222.2.39.1	HE FRAG
2.9.222.2.40	80mm rocket
2.9.222.2.40.1	S8
2.9.222.2.41	8/mm grenade
2.9.222.2.41.1	RP
2.9.222.2.42	115mm
2.9.222.2.42.1	HE FRAG
2.9.222.2.43	120mm (gun/mortar)
2.9.222.2.43.1	Incendiary
2.9.222.2.43.2	HE FRAG
2.9.222.2.43.3	Illumination

Field Value	Description
2.9.222.2.43.4	WP
2.9.222.2.43.5	HE-Frag-RAP
2.9.222.2.43.6	HE-Frag-Laser Guided
2.9.222.2.44	MCLC
2.9.222.2.45	300-mm rocket
2.9.222.2.45.1	9M5K1 rocket
2.9.222.2.46	200-mm rocket
2.9.222.2.47	30mm autocannon ammunition
2.9.222.2.47.1	30mm HE-Frag
2.9.222.2.48	40mm
2.9.222.2.48.1	40mm VOG-25
2.9.222.2.48.2	40mm VOG-25P
2.9.222.2.49	Flame weapons
2.9.222.2.49.1	Rocket, incendiary, 93mm (RPO)

#### 4.2.3.58.10. Strategic

Field Value	Description
2.10.222	
2.10.222.1	Guided
2.10.222.1.1	SS-N-5 Sark
2.10.222.1.2	SS-N-6 Serb
2.10.222.1.2.1	SS-N-6
2.10.222.1.2.2	SS-N-6 Mod 1
2.10.222.1.2.3	SS-N-6 Mod 2
2.10.222.1.3	SS-N-8 Sawfly
2.10.222.1.4	SS-N-17 Snipe
2.10.222.1.5	SS-N-18 Stingray
2.10.222.1.6	SS-N-20 Sturgeon
2.10.222.1.7	SS-N-23 Skiff
2.10.222.1.8	SS-N-21 Sampson
2.10.222.1.9	(deleted)
2.10.222.1.10	(deleted)
2.10.222.1.11	AS-15 Kent
2.10.222.1.11.1	AS-15A (Tu-95 Bear-H) w/nuclear warhead
2.10.222.1.11.2	AS-15B (Tu-160 Blackjack) w/nuclear warhead
2.10.222.1.12	(deleted)
2.10.222.1.13	(deleted)

Field Value	Description
2.10.222.1.14	SS-11 Sego
2.10.222.1.15	SS-13 Savage
2.10.222.1.16	SS-16 Sinner
2.10.222.1.17	SS-17 Spanker
2.10.222.1.18	SS-18 Satan
2.10.222.1.19	SS-19 Stiletto
2.10.222.1.20	SS-20 Saber
2.10.222.1.21	SS-24 Scapel
2.10.222.1.22	SS-25 Sickle
2.10.222.1.22.1	RS-12m (Topol)
2.10.222.1.22.2	RS-12 M1 (Topol-M)
2.10.222.1.22.3	RS-12 M2 (Topol-M, silo based)

#### 4.2.3.58.11. Tactical

Field Value	Description
2.11.222	
2.11.222.2	Ballistic
2.11.222.2.1	(deleted)
2.11.222.2.2	SCUD-B
2.11.222.2.3	(deleted)

### 4.2.3.59. United Kingdom Munition

#### 4.2.3.59.1. Anti-Air

Field Value	Description
2.1.224	
2.1.224.1	Guided
2.1.224.1.1	(deleted)
2.1.224.1.2	Rapier Mk 1
2.1.224.1.3	Rapier Mk 2
2.1.224.1.3.1	Rapier Mk 2A (impact fuze)
2.1.224.1.3.2	Rapier Mk 2B (proximity fuze)
2.1.224.1.4	Seacat/Tigercat
2.1.224.1.5	Blowpipe

Field Value	Description
2.1.224.1.6	Javelin
2.1.224.1.7	Star Streak
2.1.224.1.8	Sea Dart
2.1.224.1.8.1	GWS 30
2.1.224.1.9	Sea Wolf
2.1.224.1.9.1	GWS 25
2.1.224.1.9.2	GWS 26 Mod 1
2.1.224.1.10	Sky Flash
2.1.224.1.11	ASRAAM

#### 4.2.3.59.2. Anti-Armor

Field Value	Description
2.2.224	
2.2.224.1	Guided
2.2.224.1.1	Milan missile
2.2.224.1.2	Swingfire missile
2.2.224.1.3	Merlin
2.2.224.1.4	FI TOW
2.2.224.1.5	Trigat
2.2.224.1.6	LAW 80
2.2.224.1.7	SWAARM
2.2.224.1.8	Wolverine
2.2.224.1.9	Brimstone
2.2.224.2	Ballistic
2.2.224.2.1	30mm RARDEN APDS
2.2.224.2.2	120mm APFSDS-T (L23A1)
2.2.224.2.3	120mm HESH- T(L31)
2.2.224.2.4	27mm Mauser HE

#### 4.2.3.59.3. Anti-Guided Weapon

Field Value	Description
2.3.224	
2.3.224.1	Guided
2.3.224.1.1	Decoys
2.3.224.1.1.1	Towed radar decoy

## 4.2.3.59.4. Antiradar

Field Value	Description
2.4.224	
2.4.224.1	Guided
2.4.224.1.1	ALARM

## 4.2.3.59.5. Antiship

Field Value	Description
2.6.224	
2.6.224.1	Guided
2.6.224.1.1	Vosper Thorny Croft Excalibur Coast Defense Missile System
2.6.224.1.2	Sea Eagle
2.6.224.1.3	Sea Eagle SL
2.6.224.1.4	Sea Skua
2.6.224.1.5	Martel

## 4.2.3.59.6. Antisubmarine

Field Value	Description
2.7.224	
2.7.224.1	Guided
2.7.224.1.1	Tigerfish torpedo
2.7.224.1.2	Spear Fish torpedo
2.7.224.1.3	Sting Ray torpedo
2.7.224.1.4	Mk 24 torpedo

## 4.2.3.59.7. Antipersonnel

Field Value	Description
2.8.224	
2.8.224.2	Ballistic
2.8.224.2.1	7.62 mm
2.8.224.2.2	9.0 mm

## 4.2.3.59.8. Battlefield Support

Field Value	Description
-------------	-------------

Field Value	Description
2.9.224	
2.9.224.1	Guided
2.9.224.1.1	Storm-Shadow
2.9.224.2	Ballistic
2.9.224.2.1	51 mm
2.9.224.2.2	89 mm
2.9.224.2.3	105 mm
2.9.224.2.4	155 mm
2.9.224.2.5	175 mm
2.9.224.2.6	30 mm RARDEN HE
2.9.224.2.7	120 mm smoke WP (L34)

#### 4.2.3.59.9. Strategic

Field Value	Description
2.10.224	
2.10.224.1	Guided
2.10.224.1.1	A-3TK Polaris

### 4.2.3.60. France Munition

#### 4.2.3.60.1. Anti-Air

Field Value	Description
2.1.71	
2.1.71.1	Guided
2.1.71.1.1	Aster 15
2.1.71.1.2	Aster 30
2.1.71.1.3	Crotale
2.1.71.1.3.1	Crotale R440 missile
2.1.71.1.3.2	VT-1 (Crotale NG) missile
2.1.71.1.4	Roland
2.1.71.1.5	Mistral
2.1.71.1.6	Masurca
2.1.71.1.7	Mica Missile
2.1.71.1.7.1	Radar

Field Value	Description
2.1.71.1.7.2	IR
2.1.71.1.8	R530
2.1.71.1.9	R-550 Magic
2.1.71.1.9.1	R-550 Magic 1
2.1.71.1.9.2	R-550 Magic 2
2.1.71.1.10	Super 530
2.1.71.1.10.1	Super 530F
2.1.71.1.10.2	Super 530D
2.1.71.1.11	Shahine R460 missile
2.1.71.2	Ballistic
2.1.71.2.1	20 mm
2.1.71.2.2	25 mm
2.1.71.2.3	30 mm
2.1.71.2.9	90
2.1.71.2.30	.50 Cal.

#### 4.2.3.60.2. Anti-Armor

Field Value	Description
2.2.71	
2.2.71.1	Guided
2.2.71.1.1	SS-11/AS-11
2.2.71.1.2	Eryx missile
2.2.71.1.3	HOT missile
2.2.71.1.4	Milan missile
2.2.71.1.5	ACL-STRIM
2.2.71.1.6	Entac
2.2.71.1.7	AS-15
2.2.71.1.7.1	AS-15 TT
2.2.71.1.8	BAT 120 anti-armor bomb
2.2.71.2	Ballistic
2.2.71.2.1	(deleted)
2.2.71.2.2	8 in.
2.2.71.2.3	20 mm
2.2.71.2.4	25 mm
2.2.71.2.5	30 mm
2.2.71.2.6	60 mm
2.2.71.2.7	68 mm
2.2.71.2.8	74 mm

Field Value	Description
2.2.71.2.9	90 mm
2.2.71.2.10	105 mm
2.2.71.2.11	106 mm
2.2.71.2.12	120 mm
2.2.71.2.13	155 mm
2.2.71.2.14	175 mm

#### 4.2.3.60.3. Anti-Guided Weapon

Field Value	Description
2.3.71	
2.3.71.1	Guided
2.3.71.1.1	Decoys

#### 4.2.3.60.4. Antiradar

Field Value	Description
2.4.71	
2.4.71.1	Guided
2.4.71.1.1	Armat
2.4.71.1.2	AS 37 Martel

#### 4.2.3.60.5. Antiship

Field Value	Description
2.6.71	
2.6.71.1	Guided
2.6.71.1.1	Exocet
2.6.71.1.1.1	MM-38
2.6.71.1.1.2	AM-39
2.6.71.1.1.3	SM-39 Exocet
2.6.71.1.1.4	MM-40
2.6.71.1.2	AS-11
2.6.71.1.3	SS-12M
2.6.71.1.4	AS-15
2.6.71.1.5	AS-30
2.6.71.1.6	AS-37 Martel
2.6.71.1.7	(deleted)



Field Value	Description
2.6.71.1.8	Otomat
2.6.71.1.8.1	Mk1
2.6.71.1.8.2	Mk2
2.6.71.1.9	E-14 torpedo
2.6.71.1.10	E-15 torpedo
2.6.71.1.11	F-17 torpedo
2.6.71.1.11.1	F-17 mod 2
2.6.71.1.12	L-5 torpedo
2.6.71.1.12.1	L-5 mod 3
2.6.71.1.12.2	L-5 mod 5
2.6.71.1.13	Z-16 torpedo
2.6.71.1.14	AS-12
2.6.71.1.15	MU-90 Torpedo
2.6.71.2	Ballistic
2.6.71.2.1	20 mm
2.6.71.2.2	25 mm
2.6.71.2.3	30 mm

#### 4.2.3.60.6. Antisubmarine

Field Value	Description
2.7.71	
2.7.71.1	Guided
2.7.71.1.1	Malafon
2.7.71.1.2	E-14 torpedo
2.7.71.1.3	E-15 torpedo
2.7.71.1.4	F-17 torpedo
2.7.71.1.5	L3 torpedo
2.7.71.1.6	L4 torpedo
2.7.71.1.7	L5 torpedo
2.7.71.1.8	Murene torpedo

#### 4.2.3.60.7. Antipersonnel

Field Value	Description
2.8.71	
2.8.71.2	Ballistic
2.8.71.2.1	.22 cal. Long Rifle

Field Value	Description
2.8.71.2.2	.30-06
2.8.71.2.3	.380 cal.
2.8.71.2.4	.38
2.8.71.2.5	.45 cal.
2.8.71.2.6	.50 cal.
2.8.71.2.7	5.56 mm
2.8.71.2.8	6.35 mm
2.8.71.2.9	7.5 mm
2.8.71.2.10	7.62 mm
2.8.71.2.11	7.65 mm
2.8.71.2.12	8 mm
2.8.71.2.13	9 mm
2.8.71.2.14	20 mm
2.8.71.2.15	25 mm
2.8.71.2.16	30 mm
2.8.71.2.17	60 mm
2.8.71.2.18	68 mm
2.8.71.2.19	81 mm
2.8.71.2.20	90 mm
2.8.71.2.21	120 mm

#### 4.2.3.60.8. Battlefield Support

Field Value	Description
2.9.71	
2.9.71.1	Guided
2.9.71.1.1	Hades missile
2.9.71.1.2	Pluton missile
2.9.71.1.3	AS 30L (laser guided)
2.9.71.1.4	ASMP
2.9.71.1.5	Excalibur MP 22 bomb
2.9.71.1.6	Matra laser-guided bomb (LGB)
2.9.71.1.7	French Apache GLCM
2.9.71.2	Ballistic
2.9.71.2.1	.50 Cal.
2.9.71.2.2	20 mm
2.9.71.2.3	25 mm
2.9.71.2.4	30 mm

Field Value	Description
2.9.71.2.5	58 mm
2.9.71.2.6	74 mm
2.9.71.2.7	90 mm
2.9.71.2.8	105 mm
2.9.71.2.9	106 mm
2.9.71.2.10	155 mm
2.9.71.2.11	175 mm
2.9.71.2.12	8 in.
2.9.71.2.13	120mm Mortar Ammunition
2.9.71.2.13.1	120mm FRAG-HE, PR14
2.9.71.2.13.2	120mm HE-RA, PRPA
2.9.71.2.50	BAP 100-mm airfield attack bomb
2.9.71.2.51	BLG 66 Belouga bomb
2.9.71.2.52	BM 400 bomb
2.9.71.2.53	CASCAD Mk 1
2.9.71.2.54	CASCAD Mk 2
2.9.71.2.55	CH-TABO Pod
2.9.71.2.56	Durandal penetration bomb
2.9.71.2.57	LU 250 EG-FT bomb
2.9.71.2.58	SAMP BL 61 125-kg fragmentation bomb
2.9.71.2.59	SAMP BL 70 400-kg fragmentation bomb
2.9.71.2.60	SAMP BL 99 450-kg bomb
2.9.71.2.61	SAMP BL EU4 1000-kg bomb
2.9.71.2.62	T 15 SAMP fragmentation bomb
2.9.71.2.63	BL 8 SAMP fragmentation bomb
2.9.71.2.64	BL 9 SAMP fragmentation bomb
2.9.71.2.65	BL 18 SAMP fragmentation bomb
2.9.71.2.66	SAMP GP bomb family
2.9.71.2.67	SAMP 81 AF 125-kg bomb
2.9.71.2.68	TBA retarded 125-kg close-support bomb

## 4.2.3.60.9. Strategic

Field Value	Description
2.10.71	
2.10.71.1	Guided
2.10.71.1.1	SSBS Type S-30D/TN-61
2.10.71.1.2	SSBS Type S-4(SX)

Field Value	Description
2.10.71.1.3	SLBM M-20
2.10.71.1.4	SLBM M-4

### 4.2.3.61. Germany Munition

#### 4.2.3.61.1. Anti-Air

Field Value	Description
2.1.78	
2.1.78.1	Guided
2.1.78.1.1	Roland
2.1.78.1.1.1	Roland 1
2.1.78.1.1.2	Roland 2
2.1.78.1.1.3	Roland 3
2.1.78.2	Ballistic
2.1.78.2.1	20 mm
2.1.78.2.2	35 mm

#### 4.2.3.61.2. Anti-Armor

Field Value	Description
2.2.78	
2.2.78.1	Guided
2.2.78.1.1	Milan missile
2.2.78.1.2	HOT missile
2.2.78.1.3	TOW missile
2.2.78.1.4	Pars 3 missile
2.2.78.2	Ballistic
2.2.78.2.1	110-mm rocket
2.2.78.2.2	105-mm APDS-T
2.2.78.2.3	105-mm APFSDS-T
2.2.78.2.4	105-mm HEAT-T
2.2.78.2.5	120-mm HEAT-MP-T DM12
2.2.78.2.6	120-mm APFSDS-T DM13
2.2.78.2.7	120-mm APFSDS-T DM23
2.2.78.2.8	120-mm APFSDS-T DM33

Field Value	Description
2.2.78.2.9	110mm
2.2.78.2.9.1	110mm Tandem HEAT, 3-T for PzFst-3
2.2.78.2.9.2	110mm HEAT, PZF-3
2.2.78.2.9.3	110mm SAL-H
2.2.78.2.10	Armbrust 67mm HEAT rocket
2.2.78.3	Fixed
2.2.78.3.1	Anti-tank mine
2.2.78.3.1.1	MIFF
2.2.78.3.1.2	KB44

#### 4.2.3.61.3. Antiship

Field Value	Description
2.6.78	
2.6.78.1	Guided
2.6.78.1.1	Kormoran
2.6.78.1.2	AEG Seeal 533 mm Torpedo
2.6.78.1.3	SST-3 Torpedo
2.6.78.1.4	SST-4 Torpedo
2.6.78.1.5	DM2A1 Seal Torpedo
2.6.78.1.6	DM2A3 Seehecht Torpedo
2.6.78.1.7	SUT Torpedo
2.6.78.1.8	G7e Torpedo

#### 4.2.3.61.4. Antisubmarine

Field Value	Description
2.7.78	
2.7.78.1	Guided
2.7.78.1.1	AEG Seeschlange 533 mm Torpedo

#### 4.2.3.61.5. Antipersonnel

Field Value	Description
2.8.78	
2.8.78.2	Ballistic
2.8.78.2.1	5.56 mm
2.8.78.2.2	7.62 mm

Field Value	Description
2.8.78.2.3	9 mm
2.8.78.3	Fixed
2.8.78.3.1	Mine

#### 4.2.3.61.6. Battlefield Support

Field Value	Description
2.9.78	
2.9.78.1	Guided
2.9.78.1.1	Parachute signal rocket, white
2.9.78.1.2	Taurus
2.9.78.2	Ballistic
2.9.78.2.1	20 mm
2.9.78.2.2	35 mm
2.9.78.2.3	73 mm
2.9.78.2.4	105 mm
2.9.78.2.5	120 mm
2.9.78.2.5.1	HE
2.9.78.2.5.2	APFSDS-P
2.9.78.2.5.3	TRCSDS-T
2.9.78.2.5.4	SABOT
2.9.78.2.5.5	Heat (MZ)
2.9.78.2.6	110 mm
2.9.78.2.6.1	110mm HE-Frag, MZ-110

#### 4.2.3.62. Iraq Munition

##### 4.2.3.62.1. Tactical

Field Value	Description
2.11.102	
2.11.102.2	Ballistic
2.11.102.2.1	Al Abbas
2.11.102.2.2	Al Hussein
2.11.102.2.3	(deleted)
2.11.102.2.4	(deleted)

## 4.2.3.62.2. Anti-Air

Field Value	Description
2.1.102	
2.1.102.1	Guided
2.1.102.1.1	FAW 70
2.1.102.1.2	FAW 150
2.1.102.1.3	FAW 200

## 4.2.3.63. Israel Munition

## 4.2.3.63.1. Anti-Air

Field Value	Description
2.1.105	
2.1.105.1	Guided
2.1.105.1.1	Shafrir 2
2.1.105.1.2	Python III
2.1.105.1.3	Python IV

## 4.2.3.63.2. Anti-Armor

Field Value	Description
2.2.105	
2.2.105.1	Guided
2.2.105.1.1	TOW (Ramata) M-113
2.2.105.1.2	Picket 81 mm

## 4.2.3.63.3. Anti-Guided Weapon

Field Value	Description
2.3.105	
2.3.105.1	Guided
2.3.105.1.1	Surface to Air
2.3.105.1.1.1	Barak

*4.2.3.63.4. Antiship*

Field Value	Description
2.6.105	
2.6.105.1	Guided
2.6.105.1.1	Gabriel
2.6.105.1.1.1	Gabriel I
2.6.105.1.1.2	Gabriel II
2.6.105.1.1.3	Gabriel III (Mod)
2.6.105.1.1.4	Gabriel Mk 4 LR
2.6.105.1.2	LUZ
2.6.105.1.3	(deleted)
2.6.105.1.4	(deleted)

*4.2.3.63.5. Tactical*

Field Value	Description
2.11.105	
2.11.105.2	Ballistic
2.11.105.2.1	Jericho 2

**4.2.3.64. China, People's Republic of Munition***4.2.3.64.1. Anti-Air*

Field Value	Description
2.1.45	
2.1.45.1	Guided
2.1.45.1.1	HQ-2 (CSA-1)
2.1.45.1.1.1	HQ-2
2.1.45.1.1.2	HQ-2J
2.1.45.1.1.3	HQ-2B
2.1.45.1.2	(deleted)
2.1.45.1.3	HQ-61 SAM
2.1.45.1.4	HN-5 (SA-7 type)
2.1.45.1.4.1	HN-5
2.1.45.1.4.2	HN-5A



Field Value	Description
2.1.45.1.5	(deleted)
2.1.45.1.6	(deleted)
2.1.45.1.7	(deleted)
2.1.45.1.8	PL-2 ATOLL type
2.1.45.1.8.1	PL-2
2.1.45.1.8.2	PL-2A
2.1.45.1.9	(deleted)
2.1.45.1.10	PL-5B ATOLL Type
2.1.45.1.11	PL-7
2.1.45.1.12	PL-9
2.1.45.1.13	PL-8 (python-III type)
2.1.45.1.14	PL-4 (Aspide type)
2.1.45.1.15	LY-60
2.1.45.1.15.1	LY-60N
2.1.45.1.16	FM-80 / HQ-7 (Crotale type)
2.1.45.1.17	QW-1 Vanguard
2.1.45.1.18	PL-11
2.1.45.2	Ballistic
2.1.45.2.1	12.7 mm Type 54
2.1.45.2.1.1	API
2.1.45.2.1.2	API-T
2.1.45.2.2	14.5 mm Type 56
2.1.45.2.2.1	API
2.1.45.2.2.2	API-T
2.1.45.2.2.3	Incendiary
2.1.45.2.3	(deleted)
2.1.45.2.4	57 mm
2.1.45.2.5	85 mm
2.1.45.2.6	100 mm
2.1.45.2.7	37 mm Type 55
2.1.45.2.7.1	HE
2.1.45.2.7.2	HE-T
2.1.45.2.7.3	APHE
2.1.45.2.7.4	AP-T

## 4.2.3.64.2. Anti-Armor

Field Value	Description
2.2.45	

Field Value	Description
2.2.45.1	Guided
2.2.45.1.1	HJ-7S (Sagger type)
2.2.45.1.2	HJ-8 (TOW/Milan type)
2.2.45.2	Ballistic
2.2.45.2.1	57 mm type 55
2.2.45.2.2	76 mm type 54
2.2.45.2.3	100 mm
2.2.45.2.3.1	HE Type 73
2.2.45.2.3.2	HEAT Type 73
2.2.45.2.3.3	APDS Type 73
2.2.45.2.3.4	APFSDS Type 73
2.2.45.2.3.5	APFSDS Type 86
2.2.45.2.3.6	APFSDS-T Type AP100-2
2.2.45.2.3.7	APFSDS-T (for Type 59 MBT)
2.2.45.2.3.8	HE (for Type 69 MBT)
2.2.45.2.3.9	HEAT (for Type 69 MBT)
2.2.45.2.3.10	APHE (for Type 69 MBT)
2.2.45.2.3.11	APFSDS (for Type 69 MBT)
2.2.45.2.3.12	HVAPDS (for Type 69 MBT)
2.2.45.2.4	(deleted)
2.2.45.2.5	105 mm
2.2.45.2.5.1	HE
2.2.45.2.5.2	HESH
2.2.45.2.5.3	HEAT
2.2.45.2.5.4	HEAT-T
2.2.45.2.5.5	APDS
2.2.45.2.5.6	APFSDS
2.2.45.2.5.7	APFSDS-T
2.2.45.2.5.8	Type 75
2.2.45.2.6	82 mm Type 65 (recoilless rifle)
2.2.45.2.7	85 mm Type 56 ATG
2.2.45.2.7.1	HE
2.2.45.2.7.2	HEAT-FS
2.2.45.2.7.3	HESH
2.2.45.2.8	90 mm Type 51
2.2.45.2.9	35mm Grenade Launcher Ammunition
2.2.45.2.9.1	Grenade, 35mm, HEAT

## 4.2.3.64.3. Anti-Guided Weapon

Field Value	Description
2.3.45	
2.3.45.1	Guided
2.3.45.1.1	(deleted)
2.3.45.1.2	(deleted)
2.3.45.1.3	(deleted)
2.3.45.2	Ballistic
2.3.45.2.1	(deleted)
2.3.45.2.2	(deleted)
2.3.45.2.3	(deleted)

## 4.2.3.64.4. Antiradar

Field Value	Description
2.4.45	
2.4.45.1	Guided
2.4.45.1.1	(deleted)
2.4.45.1.2	(deleted)
2.4.45.1.3	(deleted)
2.4.45.2	Ballistic
2.4.45.2.1	(deleted)
2.4.45.2.2	(deleted)
2.4.45.2.3	(deleted)

## 4.2.3.64.5. Antiship

Field Value	Description
2.6.45	
2.6.45.1	Guided
2.6.45.1.1	(deleted)
2.6.45.1.2	YJ-1/C-801/CSS-N-4 Sardine (Exocet type)
2.6.45.1.3	(deleted)
2.6.45.1.4	CSS-N-2 (HY-2 Styx derivative Silkworm)
2.6.45.1.5	(deleted)
2.6.45.1.6	(deleted)
2.6.45.1.7	SY-1/FL-1
2.6.45.1.7.1	CSSC-1B mod 1/2 Coastal Defense missile

Field Value	Description
2.6.45.1.7.2	CSS-N-1 Scrubbrush mod 1/2
2.6.45.1.8	HY-1
2.6.45.1.8.1	HY-1/CSSC-2A Silkworm
2.6.45.1.8.2	HY-1A/CSSC-2B Silkworm
2.6.45.1.8.3	CSS-N-2 Safflower
2.6.45.1.9	HY-2/CSSC-3
2.6.45.1.9.1	HY-2A/CSSC-3A
2.6.45.1.9.2	HY-2G/CSSC-3B
2.6.45.1.9.3	HY-2B/CSSC-3C
2.6.45.1.9.4	C-601/CAS-1 Kraken
2.6.45.1.10	HY-4
2.6.45.1.10.1	HY-4/CSSC-7 Sadsack
2.6.45.1.10.2	C-611 (air launched variant)
2.6.45.1.11	YJ-2/C-802/CSS-N-8 Saccade
2.6.45.1.12	CH/SS-N-6/C802(YJ-8A)
2.6.45.2	Ballistic
2.6.45.2.1	100 mm Gun
2.6.45.2.2	130 mm Gun

#### 4.2.3.64.6. Antisubmarine

Field Value	Description
2.7.45	
2.7.45.1	Guided
2.7.45.1.1	CY-1 ASW Msl Torpedo
2.7.45.1.2	Yu-1 Torpedo
2.7.45.1.3	Yu-3 Torpedo
2.7.45.1.4	Yu-4 Torpedo
2.7.45.1.5	Yu-6 Torpedo
2.7.45.1.6	TEST-96 Torpedo
2.7.45.1.7	YU-7 Torpedo
2.7.45.1.8	LE-2 Torpedo
2.7.45.1.9	L-5 Torpedo

#### 4.2.3.64.7. Battlefield Support

Field Value	Description
2.9.45	

Field Value	Description
2.9.45.1	Guided
2.9.45.1.1	(deleted)
2.9.45.1.2	(deleted)
2.9.45.1.3	(deleted)
2.9.45.1.4	(deleted)
2.9.45.1.5	(deleted)
2.9.45.1.6	(deleted)
2.9.45.1.7	(deleted)
2.9.45.1.8	(deleted)
2.9.45.1.9	(deleted)
2.9.45.1.10	(deleted)
2.9.45.1.11	(deleted)
2.9.45.1.12	(deleted)
2.9.45.1.13	(deleted)
2.9.45.1.14	CSSC-5 (YJ-16/C-101) Saples
2.9.45.1.15	CSSC-6 (HY-3) Sawhorse
2.9.45.1.16	CSSC-7 (HY-4) Sadsack
2.9.45.2	Ballistic
2.9.45.2.1	(deleted)
2.9.45.2.2	(deleted)
2.9.45.2.3	(deleted)
2.9.45.2.4	(deleted)
2.9.45.2.5	(deleted)
2.9.45.2.6	(deleted)
2.9.45.2.7	7.62 mm
2.9.45.2.8	12.7 mm
2.9.45.2.9	73 mm
2.9.45.2.10	100 mm
2.9.45.2.10.1	Mortar bomb (Type 71)
2.9.45.2.11	107 mm Rocket
2.9.45.2.11.1	HE-Frag
2.9.45.2.11.2	Type 63 HEI
2.9.45.2.11.3	Type 63-I HEI
2.9.45.2.11.4	Type 63-II HE
2.9.45.2.11.5	Type 63-III HE
2.9.45.2.11.6	Jamming rocket
2.9.45.2.12	120 mm
2.9.45.2.12.1	Mortar bomb (Type 55)
2.9.45.2.13	122 mm

Field Value	Description
2.9.45.2.13.1	HE Type 54
2.9.45.2.13.2	Smoke Type 54
2.9.45.2.13.3	Illuminating Type 54
2.9.45.2.14	122 mm Rocket
2.9.45.2.14.1	HE
2.9.45.2.14.2	HE-Frag
2.9.45.2.14.3	HEI
2.9.45.2.14.4	HE Cargo
2.9.45.2.14.5	HEI-Frag
2.9.45.2.14.6	Minelaying
2.9.45.2.14.7	Minelaying Type 84
2.9.45.2.15	130 mm
2.9.45.2.15.1	HE Type 59
2.9.45.2.15.2	Illumination Type 59
2.9.45.2.15.3	MP-130 RAP
2.9.45.2.15.4	ERFB-HE
2.9.45.2.16	130 mm rocket
2.9.45.2.16.1	HE Type 63
2.9.45.2.16.2	HE-Frag Type 82
2.9.45.2.16.3	HEI Type 82
2.9.45.2.16.4	Extended-range HE-Frag
2.9.45.2.17	152 mm
2.9.45.2.17.1	HE Type 66
2.9.45.2.17.2	Smoke Type 66
2.9.45.2.17.3	Type MP-152 RAP
2.9.45.2.17.4	NORINCO Incendiary
2.9.45.2.17.5	NORINCO Smoke
2.9.45.2.17.6	NORINCO Illuminating
2.9.45.2.17.7	HE Type 83
2.9.45.2.17.8	NORINCO ERFB-BB
2.9.45.2.18	155 mm
2.9.45.2.18.1	ERFB
2.9.45.2.18.2	ERFB-BB
2.9.45.2.18.3	ERFB-WP
2.9.45.2.18.4	ERFB Illuminating
2.9.45.2.19	160 mm
2.9.45.2.19.1	Mortar bomb type 56
2.9.45.2.20	253 mm
2.9.45.2.20.1	Minesweeping rocket Type 81

Field Value	Description
2.9.45.2.20.2	Minesweeping rocket Type 81-II
2.9.45.2.21	284 mm
2.9.45.2.21.1	Minelaying rocket Type 74
2.9.45.2.21.2	Minelaying rocket Type 85
2.9.45.2.22	M-7/CSS-8 (HQ-2 SSM variant)
2.9.45.2.22.1	Booster phase vehicle
2.9.45.2.22.2	Jettisoned booster
2.9.45.2.22.3	Separated warhead
2.9.45.2.23	35mm Grenade Launcher Ammunition
2.9.45.2.23.1	Grenade, 35mm, HE

## 4.2.3.64.8. Strategic

Field Value	Description
2.10.45	
2.10.45.1	Guided
2.10.45.1.1	(deleted)
2.10.45.1.2	CSS-2 (DF-3)
2.10.45.1.3	CSS-3 (DF-4)
2.10.45.1.4	CSS-4 (DF-5)
2.10.45.1.4.1	DF-5
2.10.45.1.4.2	DF-5A
2.10.45.1.5	DF-21
2.10.45.1.5.1	Booster phase vehicle
2.10.45.1.5.2	(presently not populated)
2.10.45.1.5.3	Separated warhead
2.10.45.1.5.4	Jettisoned first stage
2.10.45.1.5.5	Second stage vehicle
2.10.45.1.5.6	Jettisoned second stage
2.10.45.1.6	DF-31
2.10.45.1.7	DF-41
2.10.45.1.8	JL-1 (CSS-N-1)
2.10.45.1.9	(deleted)
2.10.45.1.10	CSS-NX-3

## 4.2.3.64.9. Tactical

Field Value	Description
-------------	-------------

Field Value	Description
2.11.45	
2.11.45.2	Ballistic
2.11.45.2.1	DF-15 (M-9)
2.11.45.2.1.1	Booster phase vehicle
2.11.45.2.1.2	(presently not populated)
2.11.45.2.1.3	Separated warhead
2.11.45.2.1.4	Jettisoned first stage
2.11.45.2.1.5	Second stage vehicle
2.11.45.2.1.6	Jettisoned second stage
2.11.45.2.2	M-11 / DF-11 / CSS-7
2.11.45.2.2.1	Booster phase vehicle
2.11.45.2.2.2	Jettisoned booster
2.11.45.2.2.3	Separated warhead

#### 4.2.3.65. Korea, Democratic People's Republic of (North) Munition

##### 4.2.3.65.1. Tactical

Field Value	Description
2.11.119	
2.11.119.2	Ballistic
2.11.119.2.1	(deleted)
2.11.119.2.2	Scud-C (SS-1D)
2.11.119.2.3	(deleted)

##### 4.2.3.65.2. Battlefield Support

Field Value	Description
2.9.119	
2.9.119.2	Ballistic
2.9.119.2.1	240 mm rocket
2.9.119.2.2	170mm Koksan round
2.9.119.2.2.1	HE
2.9.119.2.2.2	ICM
2.9.119.2.2.3	Chem-Bio



## 4.2.3.65.3. Strategic

Field Value	Description
2.10.119	
2.10.119.1	Guided
2.10.119.1.1	Taepo Dong I
2.10.119.1.1.1	Booster phase vehicle
2.10.119.1.1.2	(presently not populated)
2.10.119.1.1.3	Separated warhead
2.10.119.1.1.4	Jettisoned first stage
2.10.119.1.1.5	Second stage vehicle
2.10.119.1.1.6	Jettisoned second stage
2.10.119.1.2	No Dong
2.10.119.1.2.1	Booster phase vehicle
2.10.119.1.2.2	Jettisoned booster
2.10.119.1.2.3	Separated warhead
2.10.119.1.3	Scud-D
2.10.119.1.3.1	Booster phase vehicle
2.10.119.1.3.2	Jettisoned booster
2.10.119.1.3.3	Separated warhead
2.10.119.1.4	Taepo Dong II (2-stage version)
2.10.119.1.4.1	Stage 2 and warhead only
2.10.119.1.4.2	Separated warhead only
2.10.119.1.4.3	Jettisoned booster (first stage)
2.10.119.1.4.4	Jettisoned second stage
2.10.119.1.5	Taepo Dong II (3-stage version)
2.10.119.1.5.1	Stage 2, 3 and warhead
2.10.119.1.5.2	Stage 3 and warhead
2.10.119.1.5.3	Separated warhead
2.10.119.1.5.4	Jettisoned booster (first stage)
2.10.119.1.5.5	Jettisoned second stage
2.10.119.1.5.6	Jettisoned third stage

## 4.2.3.66. Sweden Munition

## 4.2.3.66.1. Anti-Air

Field Value	Description
-------------	-------------

Field Value	Description
2.1.205	
2.1.205.1	Guided
2.1.205.1.1	RBS-70
2.1.205.1.1.1	RBS-70 Mk 1
2.1.205.1.1.2	RBS-70 Mk 2
2.1.205.1.2	RBS-15
2.1.205.1.2.1	RBS-15K
2.1.205.1.2.2	RBS-15M
2.1.205.1.2.3	RBS-15F
2.1.205.1.2.4	RBS-15F MK1
2.1.205.1.2.5	RBS-15K MK1
2.1.205.1.2.6	RBS-15M MK2
2.1.205.2	Ballistic
2.1.205.2.1	40 mm
2.1.205.2.1.1	PFHE mk 2
2.1.205.2.1.2	3P
2.1.205.2.2	57 mm

#### 4.2.3.66.2. Anti-Armor

Field Value	Description
2.2.205	
2.2.205.2	Ballistic
2.2.205.2.1	40 mm
2.2.205.2.1.1	APFSDS-T
2.2.205.2.2	84mm Carl Gustav rounds
2.2.205.2.2.1	FFV 441B HE
2.2.205.2.2.2	FFV 469B Smoke
2.2.205.2.2.3	FFV 545 IL
2.2.205.2.2.4	FFV 502 HEDP
2.2.205.2.2.5	FFV 551 HEAT

#### 4.2.3.66.3. Battlefield Support

Field Value	Description
2.9.205	
2.9.205.2	Ballistic
2.9.205.2.1	40 mm

Field Value	Description
2.9.205.2.1.1	HE
2.9.205.2.1.2	MP-T

### 4.2.3.67. Italy Munition

#### 4.2.3.67.1. Anti-Air

Field Value	Description
2.1.106	
2.1.106.1	Guided
2.1.106.1.1	(deleted)
2.1.106.1.2	ASPIDE

#### 4.2.3.67.2. Anti-Guided Weapon

Field Value	Description
2.3.106	
2.3.106.1	Guided
2.3.106.1.1	Decoy
2.3.106.1.1.1	BREDA SCLAR 105 mm

#### 4.2.3.67.3. Antiship

Field Value	Description
2.6.106	
2.6.106.1	Guided
2.6.106.1.1	OTO Melara Teseo MK 2
2.6.106.1.2	MILAS
2.6.106.1.3	324 mm B-515 Torpedo
2.6.106.1.4	MARTE 2
2.6.106.1.5	Sistel Sea Killer
2.6.106.2	Ballistic
2.6.106.2.1	40 mm/70 BREDA
2.6.106.2.2	3 in/62 MMK OTO Melara
2.6.106.2.3	5 in/54 OTO Melara

Field Value	Description
2.6.106.2.4	25 mm twin
2.6.106.2.5	30 mm twin
2.6.106.2.6	Whitehead K113

#### 4.2.3.67.4. Antisubmarine

Field Value	Description
2.7.106	
2.7.106.1	Guided
2.7.106.1.1	324 mm B-515
2.7.106.1.2	Whitehead A290
2.7.106.1.3	Whitehead A184
2.7.106.1.4	Whitehead A-244/s Torpedo

### 4.2.3.68. Japan Munition

#### 4.2.3.68.1. Antiship

Field Value	Description
2.6.110	
2.6.110.1	Guided
2.6.110.1.1	Type 89 Torpedo
2.6.110.1.2	SSM-1A/1B (type 88/90)

### 4.2.3.69. Serbia and Montenegro Munition

#### 4.2.3.69.1. Anti-Armor

Field Value	Description
2.2.240	
2.2.240.3	Fixed
2.2.240.3.1	TMRP-6 Anti-tank mine

### 4.2.3.70. Munition

#### 4.2.3.70.1. Antipersonnel

Field Value	Description
2.8.0	
2.8.0.3	Fixed
2.8.0.3.1	AN/FO (94% ammonium nitrate, 6% fuel oil)
2.8.0.3.1.1	1 000 lbs. Explosive
2.8.0.3.1.2	2 000 lbs. Explosive
2.8.0.3.1.3	5 000 lbs. Explosive
2.8.0.3.1.4	10 000 lbs. Explosive
2.8.0.3.1.5	15 000 lbs. Explosive
2.8.0.3.1.6	20 000 lbs. Explosive
2.8.0.3.1.7	25 000 lbs. Explosive
2.8.0.3.1.8	30 000 lbs. Explosive
2.8.0.3.1.9	35 000 lbs. Explosive
2.8.0.3.1.10	40 000 lbs. Explosive
2.8.0.3.1.11	45 000 lbs. Explosive
2.8.0.3.1.12	50 000 lbs. Explosive

### 4.2.3.71. Iran Munition

#### 4.2.3.71.1. Antiship

Field Value	Description
2.6.101	
2.6.101.3	Fixed
2.6.101.3.1	SADAF-02 mine

#### 4.2.3.71.2. Strategic

Field Value	Description
2.10.101	
2.10.101.1	Guided
2.10.101.1.1	Shahab 4

## 4.2.3.71.3. Tactical

Field Value	Description
2.11.101	
2.11.101.2	Ballistic
2.11.101.2.1	Shahab 3
2.11.101.2.1.1	Boost phase vehicle
2.11.101.2.1.2	Jettisoned booster
2.11.101.2.1.3	Separated warhead
2.11.101.2.2	Iran 170

## 4.2.3.72. Switzerland Munition

## 4.2.3.72.1. Anti-Air

Field Value	Description
2.1.206	
2.1.206.2	Ballistic
2.1.206.2.1	35 mm
2.1.206.2.1.1	HEI-T
2.1.206.2.1.2	SAPHEI-T
2.1.206.2.1.3	FAPDS
2.1.206.2.1.4	AHEAD
2.1.206.2.1.5	HEI
2.1.206.2.1.6	HEI-BF
2.1.206.2.1.7	TP-T
2.1.206.2.1.8	APDS-T

## 4.2.3.73. India Munition

## 4.2.3.73.1. Strategic

Field Value	Description
2.10.99	
2.10.99.1	Guided

Field Value	Description
2.10.99.1.1	Agni

*4.2.3.73.2. Tactical*

Field Value	Description
2.11.99	
2.11.99.2	Ballistic
2.11.99.2.1	Prithvi

*4.2.3.73.3. Anti-Air*

Field Value	Description
2.1.99	
2.1.99.1	Guided
2.1.99.1.1	Trishul

**4.2.3.74. Pakistan Munition***4.2.3.74.1. Battlefield Support*

Field Value	Description
2.9.165	
2.9.165.2	Ballistic
2.9.165.2.1	Hatf-1
2.9.165.2.2	Hatf-2

*4.2.3.74.2. Tactical*

Field Value	Description
2.11.165	
2.11.165.2	Ballistic
2.11.165.2.1	Hatf-3
2.11.165.2.2	Ghauri

### 4.2.3.75. Taiwan Munition

#### 4.2.3.75.1. Anti-Air

Field Value	Description
2.1.208	
2.1.208.1	Guided
2.1.208.1.1	Sky Bow II / Tien Kung II
2.1.208.1.2	Tien Chien II / Sky Sword II

#### 4.2.3.75.2. Antiship

Field Value	Description
2.6.208	
2.6.208.1	Guided
2.6.208.1.1	Hsiung-Feng II

### 4.2.3.76. Canada Munition

#### 4.2.3.76.1. Battlefield Support

Field Value	Description
2.9.39	
2.9.39.2	Ballistic
2.9.39.2.1	70 mm(2.75in)
2.9.39.2.1.1	CRV7 WTU-5001/B: Practice
2.9.39.2.1.2	CRV7 WTU-5001 A/B: Hardened Rod Practice
2.9.39.2.1.3	CRV7 WAU-5001/B KEP: Kinetic Energy Penetrator
2.9.39.2.1.4	CRV7 WDU-500X/B GPF: General Purpose Flechette
2.9.39.2.1.5	CRV7 WDU-5002/B FAT: Flechette Anti-Tank
2.9.39.2.1.6	CRV7 RA-70 HEISAP: High Explosive Incendiary Semi-Armor Piercing
2.9.39.2.1.7	CRV7 WDU-5001/B PHEI: Penetrator High Explosive Incendiary
2.9.39.2.1.8	CRV7 M151 HEPD: High/Explosive Point Detonating
2.9.39.2.1.9	CRV7 M156: SMOKE (White Phosphorus)
2.9.39.2.1.10	CRV7 M257 (M442 Fuze): Illumination
2.9.39.2.1.11	CRV7 M261 HE MPSM: High Explosive Multipurpose Submunition



Field Value	Description
2.9.39.2.1.12	CRV7 M267 PRACTICE MPSM: Practice Multipurpose Submunition

### 4.2.3.77. Norway Munition

#### 4.2.3.77.1. Antiship

Field Value	Description
2.6.163	
2.6.163.1	Guided
2.6.163.1.1	Penguin MK 2

### 4.2.3.78. Brazil Munition

#### 4.2.3.78.1. Battlefield Support

Field Value	Description
2.9.29	
2.9.29.2	Ballistic
2.9.29.2.1	Rocket ASTROS
2.9.29.2.1.1	127 mm SS-30
2.9.29.2.1.1.1	HE Frag
2.9.29.2.1.2	180 mm SS-40
2.9.29.2.1.2.1	HE Frag
2.9.29.2.1.2.2	HE Incendiary
2.9.29.2.1.2.3	DPICM
2.9.29.2.1.2.4	Mine Anti-tank
2.9.29.2.1.2.5	Mine Anti-personnel
2.9.29.2.1.2.6	Runway Denial
2.9.29.2.1.3	3 mm SS-60
2.9.29.2.1.3.1	HE Frag
2.9.29.2.1.3.2	HE Incendiary
2.9.29.2.1.3.3	DPICM
2.9.29.2.1.3.4	Mine Anti-tank
2.9.29.2.1.3.5	Mine Anti-personnel

Field Value	Description
2.9.29.2.1.3.6	Runway Denial
2.9.29.2.1.4	3 mm SS-80
2.9.29.2.1.4.1	HE Frag
2.9.29.2.1.4.2	HE Incendiary
2.9.29.2.1.4.3	DPICM
2.9.29.2.1.4.4	Mine Anti-tank
2.9.29.2.1.4.5	Mine Anti-personnel
2.9.29.2.1.4.6	Runway Denial

#### 4.2.3.79. Life form

##### 4.2.3.79.1. Other

Field Value	Description
3.0.0	
3.0.0.0	Other

##### 4.2.3.79.2. Land

Field Value	Description
3.1.0	
3.1.0.0	Other
3.1.0.1	Dismounted Infantry (with)
3.1.0.1.0	Other
3.1.0.1.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.1.0.1.1.1	Number of individuals
3.1.0.1.1.101	Fire Team
3.1.0.1.1.102	Squad
3.1.0.1.1.103	Platoon
3.1.0.1.1.104	Company
3.1.0.1.1.105	Battalion
3.1.0.1.1.106	Regiment
3.1.0.1.1.107	Division
3.1.0.1.1.108	Corps
3.1.0.1.1.109	Army
3.1.0.2	Dismounted Infantry (non-visible)

Field Value	Description
3.1.0.2.0	Other-Observation Post
3.1.0.3	Civilian, unarmed
3.1.0.3.1	Civilian, non government
3.1.0.3.1.1	Contractor
3.1.0.3.1.2	Media
3.1.0.3.2	Local Officials
3.1.0.3.2.1	Mayor
3.1.0.3.2.2	Policeman.
3.1.0.3.2.3	Police Chief
3.1.0.3.2.4	VIP
3.1.0.3.2.5	Religious Leader.
3.1.0.4	Civilian, w/weapons
3.1.0.4.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.1.0.5	Animal
3.1.0.5.1	Domesticated Animal
3.1.0.5.1.1	Dog
3.1.0.5.1.2	Cat
3.1.0.5.1.3	Cow
3.1.0.5.1.4	Horse
3.1.0.5.1.5	Camel
3.1.0.5.2	Wild Animal
3.1.0.5.2.1	Canine
3.1.0.5.2.2	Feline

#### 4.2.3.79.3. Air

Field Value	Description
3.2.0	
3.2.0.0	Other
3.2.0.1	Parachutist (with)
3.2.0.1.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.2.0.1.1.1	Number of individuals
3.2.0.1.1.101	Fire Team
3.2.0.1.1.102	Squad
3.2.0.1.1.103	Platoon
3.2.0.1.1.104	Company
3.2.0.1.1.105	Battalion
3.2.0.1.1.106	Regiment
3.2.0.1.1.107	Division

Field Value	Description
3.2.0.1.1.108	Corps
3.2.0.1.1.109	Army
3.2.0.2	A bird
3.2.0.3	Flock of birds
3.2.0.3.0	Unspecified size
3.2.0.3.0.1	Number of individuals

## 4.2.3.79.4. Surface

Field Value	Description
3.3.0	
3.3.0.0	Other
3.3.0.1	Swimmer (with)
3.3.0.1.0	Other
3.3.0.1.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.3.0.1.1.1	Number of individuals
3.3.0.1.1.101	Fire Team
3.3.0.1.1.102	Squad
3.3.0.1.1.103	Platoon
3.3.0.1.1.104	Company
3.3.0.1.1.105	Battalion
3.3.0.1.1.106	Regiment
3.3.0.1.1.107	Division
3.3.0.1.1.108	Corps
3.3.0.1.1.109	Army
3.3.0.2	Occupied life raft
3.3.0.2.0	Unused
3.3.0.2.0.1	Number of individuals
3.3.0.2.0.101	Fire Team
3.3.0.2.0.102	Squad
3.3.0.2.0.103	Platoon
3.3.0.2.0.104	Company
3.3.0.2.0.105	Battalion
3.3.0.2.0.106	Regiment
3.3.0.2.0.107	Division
3.3.0.2.0.108	Corps
3.3.0.2.0.109	Army

*4.2.3.79.5. Subsurface*

Field Value	Description
3.4.0	
3.4.0.0	Other
3.4.0.1	Diver (with)
3.4.0.1.0	Other
3.4.0.1.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.4.0.1.1.1	Number of individuals
3.4.0.2	School of Fish
3.4.0.2.0	Unspecified size
3.4.0.2.0.1	Number of individuals
3.4.0.3	School of Shrimp
3.4.0.3.0	Unspecified size
3.4.0.3.0.1	Number of individuals
3.4.0.4	Whale

*4.2.3.79.6. Space*

Field Value	Description
3.5.0	
3.5.0.0	Other
3.5.0.1	Astronaut (with)
3.5.0.1.0	Other
3.5.0.1.[1 - 255]	Weapon(See Section 4.2.1.3.3.1).
3.5.0.1.1.1	Number of individuals

**4.2.3.80. Environmental***4.2.3.80.1. Land*

Field Value	Description
4.1.0	
4.1.0.0	Other
4.1.0.1	Radar collected noise

*4.2.3.80.2. Air*

Field Value	Description
4.2.0	
4.2.0.0	Other
4.2.0.1	Smoke
4.2.0.2	Fog
4.2.0.3	Cloud
4.2.0.4	Cloud With Rain Falling
4.2.0.5	Cloud With Snow Falling
4.2.0.6	Haze
4.2.0.7	Dust/Sandstorm
4.2.0.8	Cloud with sleet falling

*4.2.3.80.3. Surface*

Field Value	Description
4.3.0	
4.3.0.0	Other
4.3.0.1	Sea State
4.3.0.2	Oil Slick
4.3.0.3	Ice
4.3.0.4	Debris
4.3.0.5	Surf Noise
4.3.0.6	Island

*4.2.3.80.4. Subsurface*

Field Value	Description
4.4.0	
4.4.0.0	Other
4.4.0.1	Sound Velocity Profile
4.4.0.2	Ice Berg
4.4.0.3	Current Profile
4.4.0.4	Biologics
4.4.0.4.0	Bioluminescence
4.4.0.5	Transmissivity profile
4.4.0.6	Ice Merchant
4.4.0.7	Kelp Bed
4.4.0.8	Knuckle

Field Value	Description
4.4.0.9	Debris/Clutter

#### 4.2.3.80.5. Space

Field Value	Description
4.5.0	
4.5.0.0	Unused

### 4.2.3.81. Cultural feature

#### 4.2.3.81.1. Land

Field Value	Description
5.1.0	
5.1.0.0	Other
5.1.0.1	Bridge
5.1.0.1.0	Other
5.1.0.1.1	Concrete, two-lane
5.1.0.1.2	Concrete, four-lane
5.1.0.1.3	Truss, two-lane
5.1.0.1.4	Truss, four-lane
5.1.0.1.5	Suspension, two-lane
5.1.0.1.6	Suspension, four-lane
5.1.0.2	Building
5.1.0.2.0	Other
5.1.0.2.1	One-story
5.1.0.2.1.1	Trapezoidal Aircraft Shelter (Trihangar)
5.1.0.2.1.2	Curvilinear Aircraft Shelter
5.1.0.2.1.3	Bermed Storage Bunker
5.1.0.2.1.4	Hardened Curvilinear Munitions Bunker
5.1.0.2.2	Two-story
5.1.0.2.3	Three-story
5.1.0.2.4	Four-story
5.1.0.2.5	Five story
5.1.0.2.6	Six story
5.1.0.2.7	Seven story

Field Value	Description
5.1.0.2.8	Eight story
5.1.0.2.9	Nine story
5.1.0.2.10	Ten story
5.1.0.3	Tracks
5.1.0.3.0	Other
5.1.0.3.1	Tank
5.1.0.4	Crater
5.1.0.5	Obstacle
5.1.0.5.0	Other
5.1.0.5.1	Ditch
5.1.0.5.2	Tank ditch, 100x4 M
5.1.0.5.3	Tank ditch, 200x4 M
5.1.0.5.4	Tank ditch, 300x4 M
5.1.0.5.5	Abatis, 8-tree
5.1.0.5.6	Concertina fence, 3-roll
5.1.0.5.7	Log crib, rectangular
5.1.0.5.8	Ammo prestock
5.1.0.5.9	Fuel prestock
5.1.0.5.10	Minefield, hasty, 0-300 M
5.1.0.5.11	Minefield, prepared, 0-500 M
5.1.0.5.12	Minefield, scatterable oval
5.1.0.5.13	Barbed wire
5.1.0.5.14	Dragon's teeth
5.1.0.5.15	Jersey Barrier
5.1.0.6	Flags/markers
5.1.0.6.0	Other
5.1.0.6.1	Breached lane
5.1.0.6.2	Minefield
5.1.0.7	Prepared positions
5.1.0.7.0	Other
5.1.0.7.1	Armored, hull defilade
5.1.0.7.2	Fighting, hull defilade
5.1.0.7.3	Mortar carrier, hull defilade
5.1.0.7.4	Tank, hull defilade
5.1.0.7.5	Infantry fighting
5.1.0.7.6	Machine gun
5.1.0.7.7	Covered machine gun bunker
5.1.0.7.8	Overhead covered infantry
5.1.0.7.9	Forward Area Re-arming Point (FARD)



Field Value	Description
5.1.0.8	Underground facility
5.1.0.8.0	Other
5.1.0.8.1	Single level
5.1.0.8.2	Two levels
5.1.0.8.3	Three levels
5.1.0.9	SSM Site
5.1.0.9.0	Other
5.1.0.9.1	Fixed
5.1.0.9.2	Towed
5.1.0.9.3	Self-propelled
5.1.0.10	Runway
5.1.0.10.0	Other
5.1.0.10.1	5m x 150m
5.1.0.11	SAM Site
5.1.0.11.0	Other
5.1.0.11.1	Fixed
5.1.0.11.2	Towed
5.1.0.11.3	Self-propelled
5.1.0.12	Nuclear Power Plant
5.1.0.12.0	Other
5.1.0.12.1	Pressurized Water Reactor
5.1.0.12.1.1	One Reactor Unit
5.1.0.12.1.2	Two Reactor Units
5.1.0.12.2	Gas-Cooled Graphite Reactor
5.1.0.12.2.1	One Reactor Unit
5.1.0.12.2.2	Two Reactor Units
5.1.0.12.3	High Temperature Gas-cooled Reactor (HTGR)
5.1.0.12.3.0	Other
5.1.0.12.3.1	One Reactor Unit
5.1.0.12.3.2	Two Reactor Units
5.1.0.12.4	Boiling Water Reactor
5.1.0.12.4.0	Other
5.1.0.12.4.1	One Reactor Unit
5.1.0.12.4.2	Two Reactor Units
5.1.0.13	Railyard
5.1.0.14	Camp Lejeune MOUT Collective Training Facility (CTF)
5.1.0.14.1	Public Building
5.1.0.14.1.1	City Hall
5.1.0.14.1.2	Church

Field Value	Description
5.1.0.14.1.3	School
5.1.0.14.1.4	School Gymnasium
5.1.0.14.2	Commercial Building
5.1.0.14.2.1	Bank
5.1.0.14.2.2	Hotel
5.1.0.14.2.3	Strip Mall
5.1.0.14.2.4	Service Station
5.1.0.14.2.5	Warehouse
5.1.0.14.2.6	2-story Office Building
5.1.0.14.2.7	3-story Office Building
5.1.0.14.3	Residential Building
5.1.0.14.3.1	1-story House
5.1.0.14.3.2	1-story House with Fireplace
5.1.0.14.3.3	2-story House
5.1.0.14.3.4	Town House
5.1.0.14.3.5	2-story Apartment Building
5.1.0.14.3.6	3-story Apartment Building
5.1.0.15	POL Storage Tank
5.1.0.16	Cargo Container
5.1.0.17	Tower
5.1.0.17.0	Other
5.1.0.17.1	Antenna
5.1.0.17.2	Water
5.1.0.17.3	Observation
5.1.0.18	AAA site
5.1.0.18.0	Other
5.1.0.18.1	Fixed
5.1.0.18.2	Towed
5.1.0.18.3	Self-propelled
5.1.0.19	Bridge Span
5.1.0.19.0	Other
5.1.0.19.1	Single Lane Each Way
5.1.0.19.1.1	Single Lane Concrete Girder Bridge Span
5.1.0.19.1.2	Single Lane Concrete Pier Bridge Span
5.1.0.19.1.3	Single Lane Masonary Arch Bridge Span
5.1.0.19.1.4	Single Lane Steel Floating Bridge Span
5.1.0.19.1.5	Single Lane Steel Girder Bridge Span
5.1.0.19.1.6	Single Lane Steel Pier Bridge Span
5.1.0.19.1.7	Single Lane Steel Suspension Bridge Span

Field Value	Description
5.1.0.19.1.8	Single Lane Steel Trestle Bridge Span
5.1.0.19.1.9	Rope Suspension Bridge Span
5.1.0.19.1.10	Single Lane Wood Girder Bridge Span
5.1.0.19.1.11	Single Lane Wood Pier Bridge Span
5.1.0.19.1.12	Single Lane Wood Trestle Bridge Span
5.1.0.19.2	Double Lane Each Way
5.1.0.19.2.1	Double Lane Concrete Girder Bridge Span
5.1.0.19.2.2	Double Lane Concrete Pier Bridge Span
5.1.0.19.2.3	Double Lane Masonary Arch Bridge Span
5.1.0.19.2.4	Double Lane Steel Floating Bridge Span
5.1.0.19.2.5	Double Lane Steel Girder Bridge Span
5.1.0.19.2.6	Double Lane Steel Pier Bridge Span
5.1.0.19.2.7	Double Lane Steel Suspension Bridge Span
5.1.0.19.2.8	Double Lane Steel Trestle Bridge Span
5.1.0.19.2.9	Double Lane Wood Girder Bridge Span
5.1.0.19.2.10	Double Lane Wood Pier Bridge Span
5.1.0.19.2.11	Double Lane Wood Pier Trestle Span
5.1.0.20	Road element
5.1.0.20.1	Road Section Straight
5.1.0.20.1.1	One Lane
5.1.0.20.1.2	Two Lane
5.1.0.20.1.3	Three Lane
5.1.0.20.1.4	Four Lane
5.1.0.20.2	Road Section Curved
5.1.0.20.2.1	Road Section Curved, One Lane
5.1.0.20.2.2	Road Section Curved, Two Lane
5.1.0.20.2.3	Road Section Curved, Three Lane
5.1.0.20.2.4	Road Section Curved, Four Lane
5.1.0.20.3	Intersection
5.1.0.20.3.11	Intersection, One Lane to One Lane
5.1.0.20.3.12	Intersection, One Lane to Two Lane
5.1.0.20.3.13	Intersection, One Lane to Three Lane
5.1.0.20.3.14	Intersection, One Lane to Four Lane
5.1.0.20.3.22	Intersection, Two Lane to Two Lane
5.1.0.20.3.23	Intersection, Two Lane to Three Lane
5.1.0.20.3.24	Intersection, Two Lane to Four Lane
5.1.0.20.3.33	Intersection, Three Lane to Three Lane
5.1.0.20.3.34	Intersection, Three Lane to Four Lane
5.1.0.20.3.44	Intersection, Four Lane to Four Lane

## 4.2.3.81.2. Surface

Field Value	Description
5.3.0	
5.3.0.0	Other
5.3.0.1	Oil derrick
5.3.0.2	Buoy
5.3.0.2.1	Lighted buoy
5.3.0.2.1.1	Fixed Light
5.3.0.2.1.2	Flashing Light
5.3.0.2.1.3	Red lighted (flashing)
5.3.0.2.1.4	Green lighted (flashing)
5.3.0.2.1.5	Yellow lighted (flashing)
5.3.0.2.2	Can
5.3.0.2.2.1	Black buoy
5.3.0.2.2.2	Green buoy
5.3.0.2.3	Sound buoy
5.3.0.2.4	Nun
5.3.0.2.5	Spherical
5.3.0.3	Pier
5.3.0.4	Marker
5.3.0.4.1	Center channel marker
5.3.0.4.2	Range marker
5.3.0.4.3	Day marker
5.3.0.5	Datum <sup>a</sup>
5.3.0.6	Special Point
5.3.0.6.1	Mine
5.3.0.6.2	DLRP
5.3.0.6.3	Navigation Hazard
5.3.0.6.4	Downed A/C
5.3.0.6.5	Man in Water
5.3.0.6.6	Distressed Vessel
5.3.0.6.7	Reference Point
5.3.0.6.8	Waypoint
5.3.0.6.9	Position of Intended Movement (PIM)
5.3.0.6.10	Combat Air Patrol (CAP)
5.3.0.6.11	Strike Initial Point (SIP)
5.3.0.6.12	Flight Rendezvous Point
5.3.0.6.13	Orbit Point
5.3.0.6.14	Radar Site

Field Value	Description
Notes:	
a. Datum is a term which refers to the last known position in time and space of an entity.	

#### 4.2.3.81.3. Subsurface

Field Value	Description
5.4.0	
5.4.0.0	Other
5.4.0.1	Oil derrick
5.4.0.2	Buoy
5.4.0.3	Sunken ship

### 4.2.3.82. Supply

#### 4.2.3.82.1. Other

Field Value	Description
6.0.0	
6.0.0.0	Other
6.0.0.1	Fuels
6.0.0.1.0	Other
6.0.0.1.1	Gasoline
6.0.0.1.2	Diesel Fuel
6.0.0.1.3	JP4
6.0.0.1.4	Fuel Oil
6.0.0.1.5	JP-8 Fuel
6.0.0.1.6	Fog oil
6.0.0.1.7	Multi-Spectral Fog Oil
6.0.0.2	Oils
6.0.0.3	Lubricants
6.0.0.4	Food
6.0.0.4.1	Water, Drinking, Sterile, Clear Colorless (bulk)
6.0.0.4.2	Water, Drinking, Distilled or Sparkling
6.0.0.4.3	Meal Ready To Eat Individuals Menus NO.1
6.0.0.4.4	Humanitarian Daily Ration
6.0.0.4.5	Vegetarian MRE

Field Value	Description
6.0.0.4.6	Bread, Shelf-Stable White
6.0.0.4.7	Meal, Cold Weather
6.0.0.4.8	Long Range Patrol Ration
6.0.0.5	Spare Parts
6.0.0.6	Personnel
6.0.0.6.0	Other
6.0.0.6.1	Dismounted Infantry
6.0.0.7	Equipment
6.0.0.7.0	Other
6.0.0.7.1	Mine Plow
6.0.0.7.2	Mine Rollers
6.0.0.8	Pallets with ammunition
6.0.0.9	Pallets with water
6.0.0.10	Pallets of fuel (JP8)
6.0.0.11	Decontamination supplies
6.0.0.11.1	Decon Agent STB
6.0.0.11.2	Ferric Chloride AN 100 1 LB

### 4.2.3.83. United States Radio

#### 4.2.3.83.1. Land

Field Value	Description
7.1.225	
7.1.225.1	Voice Transmission/Reception
7.1.225.1.0	Other
7.1.225.1.0.3	Typical DAFIF Derived Traffic Control Voice Radio
7.1.225.4	Instrumented Landing System (ILS) Glideslope
7.1.225.4.0	Other
7.1.225.4.0.3	Typical DAFIF Derived ILS Glideslope Transmitter
7.1.225.5	Instrumented Landing System (ILS) Localizer Transmitter
7.1.225.5.0	Other
7.1.225.5.0.3	Typical DAFIF Derived ILS Localizer Transmitter
7.1.225.10	Tactical Air Navigation (TACAN) Transmitter (Ground Fixed Equipment)
7.1.225.10.0	Other
7.1.225.10.0.3	Typical DAFIF Derived TACAN

Field Value	Description
7.1.225.12	Tactical Air Navigation (TACAN) Transmitter/Receiver (Moving Platform Equipment)
7.1.225.12.0	Other
7.1.225.12.1	Joint Electronics Type Designation System (JETDS) Nomenclature (AN/ per Mil-STD-196)
7.1.225.12.1.1	AN/ARN-118
7.1.225.12.1.2	AN/ARN-139

#### 4.2.3.84. United States Expendable

##### 4.2.3.84.1. Air

Field Value	Description
8.2.225	
8.2.225.0	Other
8.2.225.1	Chaff
8.2.225.1.1	Bundle
8.2.225.1.1.0	Other
8.2.225.1.1.0.1	TACCSF notional friendly chaff
8.2.225.1.1.1	Very small
8.2.225.1.1.2	Small
8.2.225.1.1.3	Medium
8.2.225.1.1.4	Large
8.2.225.1.1.5	Very Large
8.2.225.1.1.6	RR-170 Chaff
8.2.225.1.1.7	RR-180 Chaff
8.2.225.1.1.8	RR-188 Chaff
8.2.225.1.1.9	RR-129 Chaff
8.2.225.1.1.10	RR-144 Chaff
8.2.225.1.1.11	M-1 Chaff
8.2.225.1.2	Corridor
8.2.225.1.2.0	Other
8.2.225.1.2.1	Very small
8.2.225.1.2.2	Small
8.2.225.1.2.3	Medium
8.2.225.1.2.4	Large
8.2.225.1.2.5	Very Large

Field Value	Description
8.2.225.2	Flare
8.2.225.2.0	Other
8.2.225.2.0.1	TACCSF notional friendly flare
8.2.225.2.1	M-206 Flare
8.2.225.2.2	MJU-7 Flare
8.2.225.2.3	MJU-10 Flare
8.2.225.2.4	MJU-8 / Mk46 Flare
8.2.225.2.5	Mk47 Flare
8.2.225.3	Combined chaff/flare
8.2.225.4	Active emitter
8.2.225.4.1	Towed Decoy
8.2.225.4.1.1	AN/ALE-50 Advanced Airborne Expendable Decoy (AAED)
8.2.225.4.1.2	AN/ALE-55 Fiber Optic Towed Decoy (FOTD)
8.2.225.4.1.3	High Power Fiber Optic Towed Decoy (HPFOTD)
8.2.225.5	Passive decoy
8.2.225.6	Winged Decoy
8.2.225.6.1	Tactical Air-Launched Decoy
8.2.225.6.1.1	A/B37U-1(V)1 chaff-dispensing
8.2.225.6.1.2	A/B37U-1(V)2 passive RF augmentation
8.2.225.6.1.3	ADM-141A passive and active RF augmentation
8.2.225.6.1.4	ADM-141B chaff-dispensing
8.2.225.6.1.5	ADM-141C Improved TALD

#### 4.2.3.84.2. Surface

Field Value	Description
8.3.225	
8.3.225.0	Other
8.3.225.2	Flare
8.3.225.4	Active emitter
8.3.225.4.0	Other
8.3.225.4.0.1	Nixie SLQ 25
8.3.225.5	Passive decoy

#### 4.2.3.84.3. Subsurface

Field Value	Description
8.4.225	



Field Value	Description
8.4.225.4	Active Emitter
8.4.225.4.1	CM NAE
8.4.225.4.2	CM ADC Mk 3 T
8.4.225.4.3	CM ADC Mk 3 S
8.4.225.4.4	CM ADC Mk 3 N
8.4.225.4.5	CM ADC Mk 4
8.4.225.4.5.1	CM ADC MK-4 BBNR
8.4.225.4.5.2	CM ADC MK-4 BBN
8.4.225.4.5.3	CM ADC MK-4 SFJR
8.4.225.4.5.4	CM ADC MK-4 SFJ
8.4.225.4.6	CM ADC MK-3
8.4.225.4.6.1	CM ADC MK-3 R3
8.4.225.4.6.2	CM ADC MK-3 BN
8.4.225.4.6.3	CM ADC MK-3 NPN
8.4.225.4.6.4	CM ADC MK-3 IR 3
8.4.225.4.7	CM ADC MK-1

#### 4.2.3.85. Commonwealth of Independent States Expendable

##### 4.2.3.85.1. Air

Field Value	Description
8.2.222	
8.2.222.0	Other
8.2.222.1	Chaff
8.2.222.1.1	Bundle
8.2.222.1.1.0	Other
8.2.222.1.1.0.1	TACCSF notional hostile chaff
8.2.222.1.1.1	Very small
8.2.222.1.1.2	Small
8.2.222.1.1.3	Medium
8.2.222.1.1.4	Large
8.2.222.1.1.5	Very Large
8.2.222.1.1.6	26mm chaff cartridge
8.2.222.1.1.7	50mm chaff cartridge
8.2.222.2	Flare
8.2.222.2.0	Other

Field Value	Description
8.2.222.2.0.1	TACCSF notional hostile flare
8.2.222.2.1	26mm Flare
8.2.222.2.2	50mm Flare

#### 4.2.3.85.2. Subsurface

Field Value	Description
8.4.222	
8.4.222.4	Active Emitter
8.4.222.4.1	UC-2S
8.4.222.4.2	UC-5M
8.4.222.4.3	UC-2 Countermeasure

### 4.2.3.86. Australia Expendable

#### 4.2.3.86.1. Surface

Field Value	Description
8.3.13	
8.3.13.0	Other
8.3.13.0.0	Other
8.3.13.0.0.1	Nulka

### 4.2.3.87. United States Sensor/Emitter

#### 4.2.3.87.1. Land

Field Value	Description
9.1.225	
9.1.225.0	Other
9.1.225.2	RF Active
9.1.225.2.1	Multi-function
9.1.225.2.1.1	Fixed
9.1.225.2.1.2	Mobile

Field Value	Description
9.1.225.2.2	Early Warning / Surveillance Radar
9.1.225.2.2.1	AN/TPS-43
9.1.225.2.2.2	AN/TPS-59
9.1.225.2.2.3	AN/TPS-63
9.1.225.2.2.4	AN/TPS-75
9.1.225.2.2.5	AN/FPS-117
9.1.225.2.2.6	AN/FPS-89
9.1.225.2.2.7	AN/TPS-70
9.1.225.2.2.8	AN/TPS-24
9.1.225.2.2.9	AN/TPS-65
9.1.225.2.2.10	ASR-4
9.1.225.2.2.10.1	ASR-4D
9.1.225.2.2.10.2	ASR-4 LRSR
9.1.225.2.2.11	ASR-5
9.1.225.2.2.12	ASR-7
9.1.225.2.2.13	ASR-8
9.1.225.2.2.14	ASR-9
9.1.225.2.2.15	ASR-10
9.1.225.2.2.15.1	ASR-10 SS
9.1.225.2.2.16	ASR-11
9.1.225.2.2.16.1	ASR-11/DASR
9.1.225.2.2.17	ASR-12
9.1.225.2.2.18	ASR-23
9.1.225.2.2.18.1	ASR-23 SS
9.1.225.2.5	Target Acquisition Radar
9.1.225.2.5.1	AN/MPQ-64 FAAD GBS
9.1.225.2.8	Firing Point/Launch Point Determination Sensor
9.1.225.2.8.1	AN/TPQ-36
9.1.225.2.8.2	AN/TPQ-37 Firefinder
9.1.225.2.8.3	Trailer mounted AN/TPQ-38 (V8)
9.1.225.2.8.4	Trailer mounted AN/TPQ-47
9.1.225.2.8.5	AN/TPQ-47
9.1.225.2.24	Battlefield Surveillance
9.1.225.2.24.1	AN/PPS-5
9.1.225.2.24.2	AN/PPS-15A (V1)
9.1.225.3	RF Passive
9.1.225.3.8	Firing Point/Launch Point Determination Sensor
9.1.225.3.8.1	Expert Missile Tracker (adjunct to AN/TPS-75)
9.1.225.7	Chemical, point detector

Field Value	Description
9.1.225.7.1	ACADA
9.1.225.7.1.1	w/Telemetry Link
9.1.225.7.2	M44A1
9.1.225.7.2.1	w/Telemetry Link
9.1.225.8	Chemical, standoff
9.1.225.8.1	M21

## 4.2.3.87.2. Air

Field Value	Description
9.2.225	
9.2.225.0	Other
9.2.225.2	RF active
9.2.225.2.2	Early Warning/Surveillance
9.2.225.2.2.1	JLENS PTIR Sensor
9.2.225.2.2.2	JLENS SuR Sensor

## 4.2.3.87.3. Surface

Field Value	Description
9.3.225	
9.3.225.0	Other
9.3.225.10	Acoustic, active
9.3.225.10.77	Sonobuoy
9.3.225.10.77.1	ICEPICK (GEOBUOY)

## 4.2.3.87.4. Subsurface

Field Value	Description
9.4.225	
9.4.225.0	Other
9.4.225.9	Thermal (temperature sensing)
9.4.225.9.78	Bathothermal Sensor
9.4.225.9.78.1	AN/SSQ-36B BTS (Bathymograph Transmitting Set)
9.4.225.10	Acoustic, active
9.4.225.10.5	Acquisition / detection
9.4.225.10.77	Sonobuoy
9.4.225.10.77.1	AN/SSQ-62 DICASS (Directional Command Active Sonobuoy System)

Field Value	Description
9.4.225.10.77.1.1	AN/SSQ-62D DICASS
9.4.225.10.77.1.2	AN/SSQ-62D1 DICASS
9.4.225.10.77.1.3	AN/SSQ-62D2 DICASS
9.4.225.10.77.1.4	AN/SSQ-62E DICASS
9.4.225.10.77.1.5	AN/SSQ-62E1 DICASS
9.4.225.10.77.1.6	AN/SSQ-62E2 DICASS
9.4.225.10.77.2	AN/SSQ-110 EER (Extended Echo Ranging), a.k.a. SUS (Signal, Underwater Sound)
9.4.225.10.77.2.1	AN/SSQ-110A EER
9.4.225.10.77.2.2	AN/SSQ-110B EER
9.4.225.11	Acoustic, Passive
9.4.225.11.77	Sonobuoy
9.4.225.11.77.1	AN/SSQ-53 DIFAR (Directional Frequency Analysis Recording)
9.4.225.11.77.1.1	AN/SSQ-53D DIFAR
9.4.225.11.77.1.2	AN/SSQ-53E DIFAR
9.4.225.11.77.1.3	AN/SSQ-53F DIFAR
9.4.225.11.77.2	AN/SSQ-57 ANM (Ambient Noise Measurement)
9.4.225.11.77.2.1	AN/SSQ-57C1 ANM
9.4.225.11.77.3	AN/SSQ-77 VLAD (Vertical Line Array DIFAR)
9.4.225.11.77.3.1	AN/SSQ-77B VLAD
9.4.225.11.77.3.2	AN/SSQ-77C VLAD

#### 4.2.3.88. Commonwealth of Independent States Sensor/Emitter

##### 4.2.3.88.1. Land

Field Value	Description
9.1.222	
9.1.222.0	Other
9.1.222.1	Multi-spectral
9.1.222.1.1	Land Radar Hostile Fixed
9.1.222.1.2	Land Radar Hostile Dynamic
9.1.222.2	RF Active
9.1.222.2.1	Multi-function
9.1.222.2.1.1	Fixed
9.1.222.2.1.2	Mobile
9.1.222.2.2	Early Warning/Surveillance Radar

Field Value	Description
9.1.222.2.2.1	Back Trap
9.1.222.2.2.2	Bar Lock (P-35/P-37/P-50)
9.1.222.2.2.3	Flat Face (P-15, CASTA-2E1)
9.1.222.2.2.4	Long Track
9.1.222.2.2.5	Spoon Rest (P-12)
9.1.222.2.2.6	Squat Eye (P-15M)
9.1.222.2.2.7	Tall King (P-14)
9.1.222.2.2.8	Tin Shield
9.1.222.2.2.9	Knife Rest (P-10)
9.1.222.2.2.10	Tin Trap
9.1.222.2.2.11	Box Spring
9.1.222.2.3	Height Finding Radar
9.1.222.2.3.1	Odd Group
9.1.222.2.3.2	Odd Pair
9.1.222.2.3.3	Side Net (PRV-11)
9.1.222.2.3.4	Thin Skin
9.1.222.2.4	Fire Control Radar
9.1.222.2.4.1	Fire Can
9.1.222.2.4.2	Flap Wheel
9.1.222.2.4.3	Whiff
9.1.222.2.4.4	(deleted)
9.1.222.2.5	Target Acquisition Radar
9.1.222.2.5.1	Dog Ear
9.1.222.2.5.2	Snow Drift (9S18M1)
9.1.222.2.5.3	MT-LB mounted ARK-1
9.1.222.2.5.4	MT-LB mounted ZOOPARK
9.1.222.2.5.5	Truck/trailer mounted SNAR-10
9.1.222.2.5.6	MT-LB mounted BIG FRED
9.1.222.2.14	Meteorological Radar
9.1.222.2.14.1	End Tray
9.1.222.2.18	Surface Search Radar
9.1.222.2.18.1	Sheet Bend
9.1.222.2.24	Battlefield Surveillance
9.1.222.2.24.1	PSNR-5K (TALL MIKE)
9.1.222.2.24.2	FARA-1 (SBR-3)

## 4.2.3.88.2. Surface

Field Value	Description
-------------	-------------

Field Value	Description
9.3.222	
9.3.222.0	Other
9.3.222.10	Acoustic active
9.3.222.10.77	Sonobuoy
9.3.222.10.79	Towed Counter Measure
9.3.222.10.79.1	Towed CM BAT-1

#### 4.2.3.88.3. Subsurface

Field Value	Description
9.4.222	
9.4.222.10	Acoustic, active
9.4.222.10.28	Decoy/Mimic

### 4.2.3.89. United Kingdom Sensor/Emitter

#### 4.2.3.89.1. Land

Field Value	Description
9.1.224	
9.1.224.0	Other
9.1.224.2	RF Active
9.1.224.2.1	Multi-function
9.1.224.2.1.1	Fixed
9.1.224.2.1.2	Mobile
9.1.224.2.2	Early Warning/Surveillance Radar
9.1.224.2.2.1	Plessey AR-5
9.1.224.2.3	Height Finding
9.1.224.2.3.1	Decca HF 200
9.1.224.2.6	Target Tracking Radar

#### 4.2.3.89.2. Subsurface

Field Value	Description
9.4.224	
9.4.224.10	Acoustic, Passive

Field Value	Description
9.4.224.10.77	Sonobuoy
9.4.224.10.77.1	AN/SSQ-955 HIDAR (High Instantaneous Dynamic Range)

### 4.2.3.90. France Sensor/Emitter

#### 4.2.3.90.1. Land

Field Value	Description
9.1.71	
9.1.71.0	Other
9.1.71.2	RF Active
9.1.71.2.1	Multi-function
9.1.71.2.1.1	Fixed
9.1.71.2.1.2	Mobile
9.1.71.2.2	Early Warning/Surveillance Radar
9.1.71.2.2.1	Thompson LP-23 (TRS-2050)
9.1.71.2.2.2	Tiger-S (TRS-2100)
9.1.71.2.2.3	Tiger-G (TRS-2105)
9.1.71.2.2.4	THD 1940 (Picador)
9.1.71.2.2.5	Volex III/IV

### 4.2.3.91. Germany Sensor/Emitter

#### 4.2.3.91.1. Land

Field Value	Description
9.1.78	
9.1.78.0	Other
9.1.78.2	RF Active
9.1.78.2.1	Multifunction Radar
9.1.78.2.1.1	(deleted)



**4.2.3.92. Switzerland Sensor/Emitter***4.2.3.92.1. Land*

Field Value	Description
9.1.206	
9.1.206.0	Other
9.1.206.2	RF Active
9.1.206.2.4	Fire Control Radar
9.1.206.2.4.1	Skyguard
9.1.206.2.4.2	Super Fledermaus

**4.2.3.93. Czechoslovakia (separating into Czech Republic and Slovak Republic) Sensor/Emitter***4.2.3.93.1. Land*

Field Value	Description
9.1.56	
9.1.56.0	Other
9.1.56.3	RF Passive (intercept and DF)
9.1.56.3.16	Identification/Classification Radar
9.1.56.3.16.1	Ramona (Soft Ball)
9.1.56.3.16.2	Tamara (Trash Drum)

**4.2.3.94. China, People's Republic of Sensor/Emitter***4.2.3.94.1. Land*

Field Value	Description
9.1.45	
9.1.45.0	Other
9.1.45.2	RF Active
9.1.45.2.1	Multi-function

Field Value	Description
9.1.45.2.1.1	Fixed
9.1.45.2.1.2	Mobile
9.1.45.2.2	Early Warning / Surveillance Radar
9.1.45.2.2.1	Cross Legs
9.1.45.2.2.2	HN-503
9.1.45.2.2.3	JY-8
9.1.45.2.2.3.1	JY-8A
9.1.45.2.2.4	JY-9
9.1.45.2.2.5	JY-14
9.1.45.2.2.6	Nanjing B/C
9.1.45.2.2.6.1	Nanjing B
9.1.45.2.2.6.2	Nanjing C
9.1.45.2.2.7	Pin Jib
9.1.45.2.2.8	Slot Rest
9.1.45.2.4	Fire Control Radar
9.1.45.2.4.1	Team Work
9.1.45.2.5	Target Acquisition Radar
9.1.45.2.5.1	Rice Pad
9.1.45.2.18	Surface-Search Radar
9.1.45.2.18.1	Cross Slot

#### 4.2.3.95. Korea, Democratic People's Republic of (North) Sensor/Emitter

##### 4.2.3.95.1. Land

Field Value	Description
9.1.119	
9.1.119.0	Other
9.1.119.2	RF Active
9.1.119.2.1	Multi-function
9.1.119.2.1.1	Fixed
9.1.119.2.1.2	Mobile
9.1.119.2.4	Fire Control Radar
9.1.119.2.4.1	Drum Tilt B

**4.2.3.96. Italy Sensor/Emitter***4.2.3.96.1. Land*

Field Value	Description
9.1.106	
9.1.106.0	Other
9.1.106.2	RF Active
9.1.106.2.1	Multi-function
9.1.106.2.1.1	Fixed
9.1.106.2.2	Early Warning/Surveillance Radar
9.1.106.2.2.1	Pluto
9.1.106.2.2.2	RAT-31S
9.1.106.2.2.3	ATCR-33 (Selenia)

**4.2.3.97. Sweden Sensor/Emitter***4.2.3.97.1. Land*

Field Value	Description
9.1.205	
9.1.205.0	Other
9.1.205.2	RF Active
9.1.205.2.5	Target Acquisition Radar
9.1.205.2.5.1	Giraffe
9.1.205.2.5.1.1	Giraffe-40
9.1.205.2.5.1.2	Giraffe-50 AT
9.1.205.2.5.1.3	Giraffe-75
9.1.205.2.5.2	HARD (PS-91)

**4.2.3.98. Australia Sensor/Emitter***4.2.3.98.1. Subsurface*

Field Value	Description
9.4.13	
9.4.13.0	Other
9.4.13.11	Acoustic, passive
9.4.13.11.77	Sonobuoy
9.4.13.11.77.1	AN/SSQ-801B Barra

#### 4.2.3.99. Sensor/Emitter

##### 4.2.3.99.1. Land

Field Value	Description
9.1.0	
9.1.0.0	Other
9.1.0.2	RF Active
9.1.0.2.1	Multi-function
9.1.0.2.1.1	Fixed
9.1.0.2.1.2	Mobile

##### 4.2.3.99.2. Subsurface

Field Value	Description
9.4.0	
9.4.0.10	Acoustic, active
9.4.0.10.64	Jamming noise

#### 4.2.3.100. Netherlands Sensor/Emitter

##### 4.2.3.100.1. Land

Field Value	Description
9.1.153	
9.1.153.0	Other
9.1.153.2	RF Active
9.1.153.2.1	Multi-function

Field Value	Description
9.1.153.2.1.1	Fixed

#### 4.2.3.101. Iran Sensor/Emitter

##### 4.2.3.101.1. Land

Field Value	Description
9.1.101	
9.1.101.0	Other
9.1.101.2	RF Active
9.1.101.2.1	Multi-function
9.1.101.2.1.1	Fixed
9.1.101.2.1.2	Mobile

#### 4.2.3.102. Iraq Sensor/Emitter

##### 4.2.3.102.1. Land

Field Value	Description
9.1.102	
9.1.102.0	Other
9.1.102.2	RF Active
9.1.102.2.1	Multi-function
9.1.102.2.1.1	Fixed
9.1.102.2.1.2	Mobile

#### 4.2.3.103. Serbia and Montenegro Sensor/Emitter

##### 4.2.3.103.1. Land

Field Value	Description
-------------	-------------

Field Value	Description
9.1.240	
9.1.240.0	Other
9.1.240.2	RF Active
9.1.240.2.1	Multi-function
9.1.240.2.1.1	Fixed
9.1.240.2.1.2	Mobile

#### 4.2.3.104. Japan Sensor/Emitter

##### 4.2.3.104.1. Land

Field Value	Description
9.1.110	
9.1.110.0	RF Active
9.1.110.0.2	Multi-function
9.1.110.0.2.2	FR-2855W

#### 4.2.3.105. Canada Sensor/Emitter

##### 4.2.3.105.1. Subsurface

Field Value	Description
9.4.39	
9.4.39.9	Thermal (temperature sensing)
9.4.39.9.78	Bathothermal Sensor
9.4.39.9.78.1	AN/SSQ-536B BTS (Bathymograph Transmitting Set)

## 4.3. Entity Appearance

This section specifies the 32-bit enumeration for the Entity Appearance field in the Entity State PDU. This field is kind and domain specific, and as applicable, specific bits are designated to common bit

locations. The following sections describe the specific bit definitions for all entity kinds. The Entity-Kind field is found in the Entity-Type Record, as defined in IEEE 1278.1-1995. Entity-kind values are defined in section Section 4.2.1 of this document.

### 4.3.1. Platform Kind

#### 4.3.1.1. Platforms of the Land Domain

The bits of the Entity Appearance field for land platforms are defined as follows:

Name	Bits	Purpose
Paint Scheme	0	Describes the paint scheme of an entity
		0      Uniform color
		1      Camouflage
Mobility	1	Describes characteristics of mobility kills
		0      No mobility kill
		1      Mobility kill
Fire Power	2	Describes characteristics of fire-power kill
		0      No fire-power kill
		1      Fire-power kill
Damage	4 - 3	Describes the damaged appearance of an entity
		0      No damage
		1      Slight damage
		2      Moderate damage
		3      Destroyed
Smoke	6 - 5	Describes status or location of smoke emanating from an entity
		0      Not smoking
		1      Smoke plume rising from the entity
		2      Entity is emitting engine smoke
		3      Entity is emitting engine smoke, and smoke plume is rising from the entity
Trailing Effects	8 - 7	Describes the size of the dust cloud trailing effect for the Effects entity
		0      None
		1      Small
		2      Medium

Name	Bits	Purpose	
		3	Large
Hatch	11 - 9	Describes the state of the primary hatch	
		0	Not applicable
		1	Primary hatch is closed
		2	Primary hatch is popped
		3	Primary hatch is popped and a person is visible under hatch
		4	Primary hatch is open
		5	Primary hatch is open and person is visible
	7 - 6	(Unused)	
Head Lights	12	Describes whether Head Lights are on or off.	
		0	Off
		1	On
Tail Lights	13	Describes whether Tail Lights are on or off.	
		0	Off
		1	On
Brake Lights	14	Describes whether Brake Lights are on or off.	
		0	Off
		1	On
Flaming	15	Describes whether flames are rising from an entity	
		0	Off
		1	On
Launcher	16	Describes the elevated status of the platform's primary launcher	
		0	Off
		1	On
Camouflage Type	18 - 17	Describes the type of camouflage	
		0	Desert camouflage
		1	Winter camouflage
		2	Forest camouflage
		3	(Unused)
Concealed	19	Describes the type of concealment	
		0	Not concealed



Name	Bits	Purpose	
		1	Entity in a prepared concealed position (with netting, etc.)
	20	(Unused)	
Frozen Status	21	Describes the frozen status of a Land Entity	
		0	Not frozen
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. should be displayed as fixed at the current location even if non-zero velocity, acceleration or rotation data received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of platform	
		0	Power plant off
		1	Power plant on
State	23	Describes the state of a Land Entity	
		0	Active
		1	Deactivated
Tent	24	Describes the status of a tent extension	
		0	Not extended
		1	Extended
Ramp	25	Describes the status of a ramp	
		0	Up
		1	Down
Blackout Lights	26	Describes whether Blackout Lights are on or off.	
		0	Off
		1	On
Blackout Brake Lights	27	Describes whether Blackout Brake Lights are on or off.	
		0	Off
		1	On
Spot Lights	28	Describes whether Spot Lights are on or off.	
		0	Off
		1	On
Interior Lights	29	Describes whether Interior Lights are on or off.	
		0	Off

Name	Bits	Purpose	
		1	On
Surrender State	30	Describes the surrender state of the vehicle occupants	
		0	Not surrendered
		1	Surrender
Masked / Cloaked	31	Describes if the entity is Masked / Cloaked or Not	
		0	Not Masked / Not Cloaked
		1	Masked / Cloaked

#### 4.3.1.2. Platforms of the Air Domain

The bits of the Entity-Appearance field for air platforms are defined as follows:

Name	Bits	Purpose	
Paint Scheme	0	Describes the paint scheme of an entity	
		0	Uniform color
		1	Camouflage
Propulsion	1	Describes characteristics of Propulsion kill	
		0	No Propulsion kill
		1	Propulsion kill
	2	(Unused)	
Damage	4 - 3	Describes the damaged appearance of an entity	
		0	No damage
		1	Slight damage
		2	Moderate damage
		3	Destroyed
Smoke	6 - 5	Describes status or location of smoke emanating from an entity	
		0	Not smoking
		1	Smoke plume rising from the entity
		2	Entity is emitting engine smoke
		3	Entity is emitting engine smoke, and smoke plume is rising from the entity
Trailing Effects	8 - 7	Describes the size of the contrails or ionization trailing effects from an entity	
		0	None

Name	Bits	Purpose	
		1	Small
		2	Medium
		3	Large
Canopy	11 - 9	Describes the state of the canopy	
		0	Not applicable
		1	Canopy is closed
		3 - 2	(Unused)
		4	Canopy is open
		7 - 5	(Unused)
Landing Lights	12	Describes whether Landing Lights are on or off.	
		0	Off
		1	On
Navigation Lights	13	Describes whether Navigation Lights are on or off.	
		0	Off
		1	On
Anti-Collision Lights	14	Describes whether Anti-Collision Lights are on or off.	
		0	Off
		1	On
Flaming	15	Describes whether flames are trailing from an entity	
		0	None
		1	Flames present
Afterburner	16	Describes the status of an air platform's afterburner	
		0	Afterburner not on
		1	Afterburner on
	20 - 17	(Unused)	
Frozen Status	21	Describes the frozen status of a air platform	
		0	Not frozen
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of platform	
		0	Power plant off

Name	Bits	Purpose	
State	23	1	Power plant on
		Describes the state of a air platform	
		0	Active
		1	Deactivated
Formation Lights	24	Describes whether Formation Lights are on or off.	
		0	Off
		1	On
	27 - 25	(Unused)	
Spot Lights	28	Describes whether Spot Lights are on or off.	
		0	Off
		1	On
Interior Lights	29	Describes whether Interior Lights are on or off.	
		0	Off
		1	On
	31 - 30	(Unused)	

#### 4.3.1.3. Platforms of the Surface Domain

The bits of the Entity-Appearance field for surface platforms are defined as follows:

Name	Bits	Purpose	
Paint Scheme	0	Describes the paint scheme of an entity	
		0	Uniform color
		1	Camouflage
Mobility	1	Describes characteristics of mobility kills	
		0	No mobility kill
		1	Mobility kill
	2	(Unused)	
Damage	4 - 3	Describes the damaged appearance of an entity	
		0	No damage
		1	Slight damage
		2	Moderate damage
		3	Destroyed

Name	Bits	Purpose
Smoke	6 - 5	Describes status or location of smoke emanating from an entity
		0 Not smoking
		1 Smoke plume rising from the entity
		2 Entity is emitting engine smoke
		3 Entity is emitting engine smoke, and smoke plume is rising from the entity
Trailing Effects	8 - 7	Describes the size of the wake trailing effect for the entity.
		0 None
		1 Small
		2 Medium
		3 Large
	11 - 9	(Unused)
Running Lights	12	Describes whether Running Lights are on or off.
		0 Off
		1 On
	14 - 13	(Unused)
Flaming	15	Describes whether flames are rising from an entity
		0 None
		1 Flames present
	20 - 16	(Unused)
Frozen Status	21	Describes the frozen status of a Surface platform
		0 Not frozen
		1 Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of platform
		0 Power plant off
		1 Power plant on
State	23	Describes the state of a Surface platform
		0 Active
		1 Deactivated
	27 - 24	(Unused)

Name	Bits	Purpose
Spot Lights	28	Describes whether Spot Lights are on or off.
		0      Off
		1      On
Interior Lights	29	Describes whether Interior Lights are on or off.
		0      Off
		1      On
	31 - 30	(Unused)

#### 4.3.1.4. Platforms of the Subsurface Domain

The bits of the Entity-Appearance field for subsurface platforms are defined as follows:

Name	Bits	Purpose
Paint Scheme	0	Describes the paint scheme of an entity
		0      Uniform color
		1      Camouflage
Mobility	1	Describes characteristics of mobility kills
		0      No mobility kill
		1      Mobility kill
	2	(Unused)
Damage	4 - 3	Describes the damaged appearance of an entity
		0      No damage
		1      Slight damage
		2      Moderate damage
		3      Destroyed
Smoke	6 - 5	Describes status or location of smoke emanating from an entity
		0      Not smoking
		1      Smoke plume rising from the entity
		3 - 2      (Unused)
	8 - 7	(Unused)
Hatch	11 - 9	Describes the state of the hatch
		0      Not applicable
		1      Hatch is closed

Name	Bits	Purpose	
		3 - 2	(Unused)
		4	Hatch is open
		7 - 5	(Unused)
Running Lights	12	Describes whether Running Lights are on or off.	
		0	Off
		1	On
	14 - 13	(Unused)	
Flaming	15	Describes whether flames are rising from an entity	
		0	None
		1	Flames present
	20 - 16	(Unused)	
Frozen Status	21	Describes the frozen status of a subsurface platform	
		0	Not frozen
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of a subsurface platform	
		0	Power plant off
		1	Power plant on
State	23	Describes the state of a subsurface platform	
		0	Active
		1	Deactivated
	31 - 24	(Unused)	

#### 4.3.1.5. Platforms of the Space Domain

The bits of the Entity-Appearance field for space platforms are defined as follows:

Name	Bits	Purpose	
Paint Scheme	0	Describes the paint scheme of an entity	
		0	Uniform color
		1	Camouflage

Name	Bits	Purpose
Mobility	1	Describes characteristics of mobility kills
		0      No mobility kill
		1      Mobility kill
	2	(Unused)
Damage	4 - 3	Describes the damaged appearance of an entity
		0      No damage
		1      Slight damage
		2      Moderate damage
		3      Destroyed
Smoke	6 - 5	Describes status or location of smoke emanating from an entity
		0      Not smoking
		1      Smoke plume rising from the entity
		3 - 2      (Unused)
	14 - 7	(Unused)
Flaming	15	Describes whether flames are rising from an entity
		0      None
		1      Flames present
	20 - 16	(Unused)
Frozen Status	21	Describes the frozen status of a space platform
		0      Not frozen
		1      Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of a space platform
		0      Power plant off
		1      Power plant on
State	23	Describes the state of a space platform
		0      Active
		1      Deactivated
	31 - 24	(Unused)



### 4.3.2. Munition Kind

The bits of the Entity-Appearance field for munitions are defined as follows:

Name	Bits	Purpose
	2 - 0	(Unused)
Damage	4 - 3	Describes the damaged appearance of an entity
		0 No damage
		1 Slight damage
		2 Moderate damage
		3 Destroyed
Smoke	6 - 5	Describes status or location of smoke and vapor emanating from an entity
		0 Not smoking
		1 Smoke or vapor is emanating from the entity
		2 Entity is emitting motor smoke
		3 Entity is emitting motor smoke, and smoke or vapor is emanating from the entity
Trailing Effects	8 - 7	Describes the size of the vapor trail trailing effect for the effectsentity
		0 None
		1 Small
		2 Medium
		3 Large
	14 - 9	(Unused)
Flaming	15	Describes whether flames are rising from an entity
		0 None
		1 Flames present
Launch flash	16	Describes the presence of a guided munition's launch flash
		0 No launch flash present
		1 Launch flash present
	20 - 17	(Unused)
Frozen Status	21	Describes the frozen status of a guided munition
		0 Not frozen

Name	Bits	Purpose
		1 Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of a guided munition
		0 Power plant off
		1 Power plant on
State	23	Describes the state of a guided munition
		0 Active
		1 Deactivated
	30 - 24	(Unused)
Masked / Cloaked	31	Describes if the entity is Masked / Cloaked or Not
		0 Not Masked / Not Cloaked
		1 Masked / Cloaked

### 4.3.3. Life Forms Kind

The bits of the Entity-Appearance field for life forms are defined as follows:

Name	Bits	Purpose
Paint Scheme	0	Describes the paint scheme of an entity
		0 Uniform color
		1 Camouflage
	2 - 1	(Unused)
Health	4 - 3	Describes the damaged visual appearance of an entity
		0 No injury
		1 Slight injury
		2 Moderate injury
		3 Fatal injury
Compliance	8 - 5	Describes compliance of life form
		0 (Unused)
		1 Detained
		2 Surrender

Name	Bits	Purpose	
		3	Using fists
		4	Verbal abuse level 1
		5	Verbal abuse level 2
		6	Verbal abuse level 3
		7	Passive resistance level 1
		8	Passive resistance level 2
		9	Passive resistance level 3
		10	Using non-lethal weapon 1
		11	Using non-lethal weapon 2
		12	Using non-lethal weapon 3
		13	Using non-lethal weapon 4
		14	Using non-lethal weapon 5
		15	Using non-lethal weapon 6
	11 - 9	(Unused)	
Flash Lights	12	Describes whether Flash Lights are on or off.	
		0	Off
		1	On
	15 - 13	(Unused)	
Life-form state	19 - 16	Describes the state of the life form	
		0	(Unused)
		1	Upright, standing still
		2	Upright, walking
		3	Upright, running
		4	Kneeling
		5	Prone
		6	Crawling
		7	Swimming
		8	Parachuting
		9	Jumping
		10	Sitting
		11	Squatting
		12	Crouching
		13	Wading
		14	Surrender
		15	Detained
	20	(Unused)	
Frozen Status	21	Describes the frozen status of a life form	
		0	Not frozen

Name	Bits	Purpose	
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
	22	(Unused)	
State	23	Describes the state of a life form	
		0	Active
		1	Deactivated
Weapon 1	25 - 24	Describes the position of the life form's primary weapon	
		0	No primary weapon present
		1	Primary weapon is stowed
		2	Primary weapon is deployed
		3	Primary weapon is in firing position
Weapon 2	27 - 26	Describes the position of the life form's secondary weapon	
		0	No secondary weapon present
		1	Secondary weapon is stowed
		2	Secondary weapon is deployed
		3	Secondary weapon is in firing position
Camouflage Type	29 - 28	Describes the type of camouflage	
		0	Desert camouflage
		1	Winter camouflage
		2	Forest camouflage
		3	(Unused)
Concealed Stationary	30	Describes the type of stationary concealment	
		0	Not concealed
		1	Entity in a prepared concealed position
Concealed Movement	31	Describes the type of concealed movement	
		0	Open movement
		1	Rushes between covered positions

#### 4.3.4. Environmentals Kind

The bits of the Entity-Appearance field for environmentals are defined as follows:

Name	Bits	Purpose
	15 - 0	(Unused)
Density	19 - 16	Describes the density of the environmentals
		0 Clear
		1 Hazy
		2 Dense
		3 Very dense
		4 Opaque
		15 - 5 (Unused)
	20	(Unused)
Frozen Status	21	Describes the frozen status of a environmental object
		0 Not frozen
		1 Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
	22	(Unused)
State	23	Describes the state of a environmental object
		0 Active
		1 Deactivated
	30 - 24	(Unused)
Masked / Cloaked	31	Describes if the entity is Masked / Cloaked or Not
		0 Not Masked / Not Cloaked
		1 Masked / Cloaked

### 4.3.5. Cultural Features Kind

The bits of the Entity-Appearance field for Cultural Features are defined as follows:

Name	Bits	Purpose
	2 - 0	(Unused)
Damage	4 - 3	Describes the damaged appearance of an entity
		0 No damage
		1 Slight damage
		2 Moderate damage

Name	Bits	Purpose	
		3	Destroyed
Smoke	6 - 5	Describes status of smoke emanating from a Cultural Features object	
		0	Not smoking
		1	Smoke plume rising from the entity
		3 - 2	(Unused)
	14 - 7	(Unused)	
Flaming	15	Describes whether flames are rising from a Cultural Features object	
		0	None
		1	Flames present
	20 - 16	(Unused)	
Frozen Status	21	Describes the frozen status of a Cultural Features object	
		0	Not frozen
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. should be displayed as fixed at the current location even if non-zero velocity, acceleration or rotation data received from the frozen entity)
Internal-Heat Status	22	Describes the Internal-Heat status	
		0	Internal-Heat off
		1	Internal-Heat on
State	23	Describes the state of a Cultural object	
		0	Active
		1	Deactivated
	27 - 24	(Unused)	
Exterior Lights	28	Describes whether Exterior Lights are on or off.	
		0	Off
		1	On
Interior Lights	29	Describes whether Interior Lights are on or off.	
		0	Off
		1	On
	30	(Unused)	
Masked / Cloaked	31	Describes if the entity is Masked / Cloaked or Not	
		0	Not Masked / Not Cloaked

Name	Bits	Purpose
	1	Masked / Cloaked

### 4.3.6. Supplies Kind

The bits of the Entity-Appearance field for Supplies are defined as follows:

Name	Bits	Purpose
	31 - 0	(Unused)

### 4.3.7. Radios Kind

The bits of the Entity-Appearance field for Radios are defined as follows:

Name	Bits	Purpose
	31 - 0	(Unused)

### 4.3.8. Expendables Kind

The bits of the Entity-appearance field for Expendables are defined as follows:

Name	Bits	Purpose
	31 - 0	(Unused)

### 4.3.9. Sensor/Emitter Kind

The bits of the Entity Appearance field for Sensor/Emitters are defined as follows:

Name	Bits	Purpose
Paint Scheme	0	Describes the paint scheme of an entity
		0      Uniform color
		1      Camouflage
Mobility	1	Describes characteristics of mobility kill
		0      No mobility kill

Name	Bits	Purpose	
Mission	2	1	Mobility kill
		Describes characteristics of mission kill (e.g. damaged antenna)	
		0	No mission kill
Damage	4 - 3	1	Mission kill
		Describes the damaged appearance of an entity	
		0	No damage
		1	Slight damage
		2	Moderate damage
Smoke	6 - 5	3	Destroyed
		Describes status or location of smoke emanating from an entity	
		0	Not smoking
		1	Smoke plume rising from the entity
		2	Entity is emitting engine smoke
Trailing Effects	8 - 7	3	Entity is emitting engine smoke, and smoke plume is rising from the entity
		Describes the size of the dust cloud trailing effect for the Sensor/Emitter entity	
		0	None
		1	Small
		2	Medium
	11 - 9	(Unused)	
Lights	12	Describes the status of lights on the sensor	
		0	Off
		1	On
	14 - 13	(Unused)	
Flaming	15	Describes whether flames are rising from the entity	
		0	None
		1	Flames present
Antenna	16	Describes the elevated status of the sensor's antenna	
		0	Not raised
		1	Raised
Camouflage Type	18 - 17	Describes the type of camouflage	
		0	Desert camouflage



Name	Bits	Purpose	
		1	Winter camouflage
		2	Forest camouflage
		3	(Unused)
Concealed	19	Describes the type of concealment	
		0	Not concealed
		1	Entity in a prepared concealed position (with netting, etc.)
	20	(Unused)	
Frozen Status	21	Describes the frozen status of an entity	
		0	Not frozen
		1	Frozen (Frozen entities should not be dead-reckoned, i.e. they should be displayed as fixed at the current location even if nonzero velocity, acceleration or rotation data is received from the frozen entity)
Power-plant Status	22	Describes the power-plant status of the sensor	
		0	Power plant off
		1	Power plant on
State	23	Describes the state of an entity	
		0	Active
		1	Deactivated
Tent	24	Describes the status of a tent extension	
		0	Not extended
		1	Extended
	25	(Unused)	
Blackout Lights	26	Describes whether Blackout Lights are on or off.	
		0	Off
		1	On
	28 - 27	(Unused)	
Interior Lights	29	Describes whether Interior Lights are on or off.	
		0	Off
		1	On
	31 - 30	(Unused)	

## 4.4. Dead-Reckoning Algorithm

This section specifies the 8-bit enumeration for the Dead-Reckoning-Algorithm field in the Entity State PDU.

Field Value	Description
0	Other
1	Static (Entity does not move.)
2	DRM(F, P, W)
3	DRM(R, P, W)
4	DRM(R, V, W)
5	DRM(F, V, W)
6	DRM(F, P, B)
7	DRM(R, P, B)
8	DRM(R, V, B)
9	DRM(F, V, B)

## 4.5. Entity Marking

This section specifies the 8-bit enumeration for Character Set, found in the Entity-Marking field in the Entity State PDU.

Field Value	Description
0	(Unused)
1	ASCII
2	Army Marking (CCTT)
3	Digit Chevron

### 4.5.1. Codes for Entity Marking Field (Army Marking - Character Set code = 2)

#### 4.5.1.1. Byte 1

Byte 1 Character set code = 2

#### 4.5.1.2. Bytes 2 through 7

Bytes 2 through 7 contain a Division or Corps designation and an encoded bumper number.

#### 4.5.1.3. Byte 2- Division /Corps designation

Field Value	Description
0	NA case
1	1st Cavalry
2	1st Infantry
3	Corps Assets

#### 4.5.1.4. Byte 3 - High Level Unit

1 to 255 are codes for a High Level Unit such as Battalion, Brigade or Division headquarters within the Division/Corp specified by the contents of Byte 2 (for example, Byte 2 = 1 and Byte 3 = 1 means the 1-7CAV for 1st Cavalry Division).

##### 4.5.1.4.1. Byte 3 - High Level Unit (Byte 2 = 1 - 1st Cavalry)

Field Value	Description	Unit Designation
1	1-7CAV	1-7 Cavalry
2	2-5CAV	2-5 Cavalry
3	2-8CAV	2-8 Cavalry
4	3-32AR	3-32 Armor Reg
5	1-5CAV	1-5 Cavalry
6	1-8CAV	1-8 Cavalry
7	1-32AR	1-32 Armor Reg
8	1-67AR	1-67 Armor Reg
9	3-67AR	3-67 Armor Reg
10	3-41INF	3-41 Infantry
20	1-82F	1-82 Field Art
21	3-82F	3-82 Field Art
22	1-3F	1-3 Field Art
23	21F	21 Field Art
24	92F	92 Field Art
30	8E	8 Engineer
31	20E	20 Engineer
32	91E	91 Engineer
34	1-227AVN	1-227 Aviation
35	4-227AVN	4-227 Aviation
36	F-227AVN	F-227 Aviation
37	4-5ADA	4-5 Air Def Art
40	15MSB	15 Main Supp

Field Value	Description	Unit Designation
41	27FSB	27 Forward Supp
42	115FSB	115 Forward Supp
43	215FSB	215 Forward Supp
45	312MI	312 Mil Intell.
46	13S	13 Signal
47	545MP	545 Mil Police
48	68CML	68 Chemical
50	1CAV	HHC 1st Cavalry
51 - 54	XBDE	HHC X BDE (X=1-4)
55	AVNBDE	HHC AVN BDE
56	E	HHD EN BDE
57	F	HHB DIVARTY
58	DSC	DISCOM

#### 4.5.1.4.2. Byte 3 - High Level Unit (Byte 2 = 2 - 1st Infantry)

Field Value	Description	Unit Designation
1	1-16INF	1-16 Infantry
2	2-16INF	2-16 Infantry
3	1-34AR	1-34 Armor
4	2-34AR	2-34 Armor
5	3-37AR	3-37 Armor
6	4-37AR	4-37 Armor
7	1-118INF	1-118 Infantry
8	4-118INF	4-118 Infantry
9	2-265AR	2-263 Armor
10	2-136IF	2-136 Infantry
20	1-5F	1-5 Field Art
21	4-5F	4-5 Field Art
22	1-178F	1-178 Field Art
23	6F	B/6 Field Art
24	25F	D/25 Field Art
30	1E	1 Engineer
31	70E	70 Engineer
32	4-1AVN	4-1 Aviation
33	1-1AVN	1-1 Aviation
34	2-3ADA	2-3 Air Def Art
35	1-4CAV	1-4 Cavalry

Field Value	Description	Unit Designation
40	701MSB	701 Main Supp
41	101FSB	101 Forward Supp
42	201FSB	201 Forward Supp
43	163FSB	163 Forward Supp
45	101MI	101 Mil Intell
46	121S	121 Signal
47	1MP	1st Mil Police
48	12CML	12 Chemical
50	1INF	HHC 1st Infantry
51 - 54	XBDE	HHC X BDE (X=1-4)
55	AVNBDE	HHC AVN BDE
56	E	HHD EN BDE
57	F	HHB DIVARTY
58	DSC	DISCOM

#### 4.5.1.5. Bytes 4 through 7

These are codes for the portion of a bumper number representing a) Company, Battery, Troop; b) Platoon, Section; and c) Vehicle.

##### 4.5.1.5.1. Byte 4 - Company, Battery, Troop

Field Value	Description
66 - 77	A-M
113	HQ
98	HHB
99	HHC
100	HHD
116	HHT

##### 4.5.1.5.2. Byte 5 - Platoon, Section

Field Value	Description
0 - 9	0-9

##### 4.5.1.5.3. Byte 6 and 7 - Vehicle

Field Value	Description
0 - 9	0-9
32	Blank

#### 4.5.1.6. Bytes 8 through 12

Bytes 8 through 12 contain entity marking codes shown below for a digit / chevron marking system. Note that for character set 2 the digit / chevron marks are restricted to bytes 8 - 12 of the Marking field.

##### 4.5.1.6.1. Bytes 8, 9, 10 and 12

Field Value	Description
0 - 9	0-9
10 - 19	0-9
69	E
101	Underscore E
83	S
115	Underscore S
88	X
120	Underscore X
32	Blank

##### 4.5.1.6.2. Byte 11

Field Value	Description
94	^
62	>
86	inverted carrot
60	<
126	^ and inverted carrot
61	< >

Bytes 8 and 9 are codes for high level unit (for example, Battalion) marking. Byte 10 is a code for company marking. Byte 11 is a code for platoon marking. Byte 12 is used for Dismounted Infantry Marking

#### 4.5.2. Codes for Entity Marking Field (Digit / Chevron -

## Character Set code = 3)

### 4.5.2.1. Byte 1

Byte 1 Character set code = 3

### 4.5.2.2. Byte 2 through 12

Bytes 2 through 12 contain digit/chevron codes.

Field Value	Description
0 - 9	0-9
10 - 19	Underscore 0-9
69	E
101	Underscore E
83	S
115	Underscore S
88	X
120	Underscore X
32	Blank
94	^
62	>
86	inverted carrot
60	<
126	^ and inverted carrot
61	< >

## 4.6. Entity Capabilities record

This section specifies the 32-bit Boolean array of the Entity Capabilities record in the Entity State PDU. Any individual bit set to one indicates that the entity has the corresponding capability.

Name	Bits	Purpose
Ammunition Supply	0	The Entity is able to supply some type of ammunition in response to an appropriate Service Request PDU.
Fuel Supply	1	The Entity is able to supply some type of fuel in response to an appropriate Service Request PDU.

Name	Bits	Purpose
Recovery	2	The Entity is able to provide recovery (e.g. towing) services in response to an appropriate Service Request PDU.
Repair	3	The Entity is able to supply certain repair services in response to an appropriate Service Request PDU.
ADS-B	4	The Entity is Automatic Dependent Surveillance - Broadcast (ADS-B) Capable
	31 - 5	(Unused)

## 4.7. Parameter Type

This section specifies the 32-bit enumeration for the Parameter-Type field in the Articulation-Parameter record of the Entity State and Detonation PDUs.

### 4.7.1. Parameter Type Designator

This section specifies the 8-bit enumeration for the Parameter Type Designator field in the articulated Parts Record.

Field Value	Description
0	Articulated Part
1	Attached Part

#### 4.7.1.1. Attached parts

Following are the enumeration values for attached-parts stations. These values are used when the Parameter Type Designator is equal to one, signifying an attached part.

Field Value	Description
0	Nothing, Empty
1 - 511	Sequential IDs for model-specific stations
512 - 639	Fuselage Stations
640 - 767	Left-wing Stations
768 - 895	Right-wing Stations
896	M16A42 rifle
897	M249 SAW
898	M60 Machine gun
899	M203 Grenade Launcher
900	M136 AT4



Field Value	Description
901	M47 Dragon
902	AAWS-M Javelin
903	M18A1 Claymore Mine
904	MK19 Grenade Launcher
905	M2 Machine Gun
906 - 1023	Other attached parts

#### 4.7.1.2. Articulated parts

Following are the enumeration values for articulated-parts parameters. These values are used when the Parameter Type Designator is equal to zero, signifying an articulated part.

##### 4.7.1.2.1. Articulated parts offset number

Field Value	Description
1	Position
2	Position Rate
3	Extension
4	Extension Rate
5	X
6	X Rate
7	Y
8	Y Rate
9	Z
10	Z Rate
11	Azimuth
12	Azimuth Rate
13	Elevation
14	Elevation Rate
15	Rotation
16	Rotation Rate

##### 4.7.1.2.2. Articulated parts index number

Field Value	Description
1024	rudder
1056	left flap
1088	right flap

Field Value	Description
1120	left aileron
1152	right aileron
1184	helicopter - main rotor
1216	helicopter - tail rotor
1248	other Aircraft Control Surfaces defined as needed
2048	periscope
2080	generic antenna
2112	snorkel
2144	other extendible parts defined as needed
3072	landing gear
3104	tail hook
3136	speed brake
3168	left weapon bay door
3200	right weapon bay doors
3232	tank or APC hatch
3264	wingsweep
3296	Bridge launcher
3328	Bridge section 1
3360	Bridge section 2
3392	Bridge section 3
3424	Primary blade 1
3456	Primary blade 2
3488	Primary boom
3520	Primary launcher arm
3552	other fixed position parts defined as needed
4096	Primary turret number 1
4128	Primary turret number 2
4160	Primary turret number 3
4192	Primary turret number 4
4224	Primary turret number 5
4256	Primary turret number 6
4288	Primary turret number 7
4320	Primary turret number 8
4352	Primary turret number 9
4384	Primary turret number 10
4416	Primary gun number 1
4448	Primary gun number 2
4480	Primary gun number 3
4512	Primary gun number 4

Field Value	Description
4544	Primary gun number 5
4576	Primary gun number 6
4608	Primary gun number 7
4640	Primary gun number 8
4672	Primary gun number 9
4704	Primary gun number 10
4736	Primary launcher 1
4768	Primary launcher 2
4800	Primary launcher 3
4832	Primary launcher 4
4864	Primary launcher 5
4896	Primary launcher 6
4928	Primary launcher 7
4960	Primary launcher 8
4992	Primary launcher 9
5024	Primary launcher 10
5056	Primary defense systems 1 <sub>a</sub>
5088	Primary defense systems 2
5120	Primary defense systems 3
5152	Primary defense systems 4
5184	Primary defense systems 5
5216	Primary defense systems 6
5248	Primary defense systems 7
5280	Primary defense systems 8
5312	Primary defense systems 9
5344	Primary defense systems 10
5376	Primary radar 1 <sub>b</sub>
5408	Primary radar 2
5440	Primary radar 3
5472	Primary radar 4
5504	Primary radar 5
5536	Primary radar 6
5568	Primary radar 7
5600	Primary radar 8
5632	Primary radar 9
5664	Primary radar 10
5696	Secondary turret number 1
5728	Secondary turret number 2
5760	Secondary turret number 3

Field Value	Description
5792	Secondary turret number 4
5824	Secondary turret number 5
5856	Secondary turret number 6
5888	Secondary turret number 7
5920	Secondary turret number 8
5952	Secondary turret number 9
5984	Secondary turret number 10
6016	Secondary gun number 1
6048	Secondary gun number 2
6080	Secondary gun number 3
6112	Secondary gun number 4
6144	Secondary gun number 5
6176	Secondary gun number 6
6208	Secondary gun number 7
6240	Secondary gun number 8
6272	Secondary gun number 9
6304	Secondary gun number 10
6336	Secondary launcher 1
6368	Secondary launcher 2
6400	Secondary launcher 3
6432	Secondary launcher 4
6464	Secondary launcher 5
6496	Secondary launcher 6
6528	Secondary launcher 7
6560	Secondary launcher 8
6592	Secondary launcher 9
6624	Secondary launcher 10
6656	Secondary defense systems 1
6688	Secondary defense systems 2
6720	Secondary defense systems 3
6752	Secondary defense systems 4
6784	Secondary defense systems 5
6816	Secondary defense systems 6
6848	Secondary defense systems 7
6880	Secondary defense systems 8
6912	Secondary defense systems 9
6944	Secondary defense systems 10
6976	Secondary radar 1
7008	Secondary radar 2

Field Value	Description
7040	Secondary radar 3
7072	Secondary radar 4
7104	Secondary radar 5
7136	Secondary radar 6
7168	Secondary radar 7
7200	Secondary radar 8
7232	Secondary radar 9
7264	Secondary radar 10
7296	Deck Elevator #1
7328	Deck Elevator #2
7360	Catapult #1
7392	Catapult #2
7424	Jet Blast Deflector #1
7456	Jet Blast Deflector #2
7488	Arrestor Wires #1
7520	Arrestor Wires #2
7552	Arrestor Wires #3
7584	Wing (or rotor) fold
7616	Fuselage fold
Notes:	
a. Point defense systems like Phalanx guns, or visible chaff, flare, or smoke dispensers.	
b. Any radar dish or movable antenna or sensor.	

#### 4.7.1.2.3. Example #1

To represent the articulation of a tank gun, azimuth of the turret is required as well as the elevation of the gun. This represents two articulated parts. The turret is attached to the tank. It has ID - Part Attached to = 0 because it is attached directly to the tank. We wish to dead reckon the position of the turret, so we require two articulation parameters for the turret: the azimuth and the azimuth rate. Azimuth will be articulation parameter #1 and azimuth rate will be articulation parameter #2. The gun is attached to the turret. It has ID - Part Attached to = 1 because it is attached to the turret. The gun has one articulation parameter, namely the elevation of the gun. Elevation will be articulation parameter #3.

For the turret, parameter #1 is the azimuth. The value to represent this is 4107: 4096 (primary turret) + 11 (azimuth of that turret). Parameter #2 is the azimuth rate. The value to represent this is 4108: 4096 + 12 (azimuth rate). For the gun, parameter #1 is elevation. The value to represent this is 4429: 4416 (primary gun) + 13 (elevation).

Suppose the turret is slewed but the elevation is unchanged. Then the three Articulation Parameter records would be:

Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (tank)
Parameter #1 type:	4107
Parameter value:	(an angle in radian)

Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (tank)
Parameter #2 type:	4108
Parameter value:	(rate in radian/sec)

Change indicator:	(value unchanged to indicate no change)
ID - Part Attached to:	1 (turret)
Parameter #2 type:	4213
Parameter value:	(zero)

#### 4.7.1.2.4. Example #2

To represent an air-to-surface missile on an aircraft it is necessary to specify the station to which the missile is attached and the type of missile. For example, for a missile on the first left-wing station, the parameter type would be 0640. (The Parameter-Value field would indicate the type of munition attached to that station.) The Articulation Parameter record would then appear as:

Change indicator:	(value unchanged to indicate no change)
ID - Part Attached to:	0 (aircraft)
Parameter #1 type:	0640
Parameter value:	(type of missile from 64-bit munition type)

If the missile was fired, the next Entity State PDU would have an Articulation Parameter record with the following information on the launched missile:

Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (aircraft)
Parameter #1 type:	0640
Parameter value:	(type of missile from 64-bit munition type)

The change indicator specifies that the munition that was present is no longer present.

# Chapter 5. Warfare

## 5.1. Burst Descriptor record

This section specifies the 16-bit enumerations for the Fuse (also called Detonator) and Warhead fields in the Burst Descriptor Record of the Fire and Detonation PDUs.

### 5.1.1. Warhead

Values for this field are:

Field Value	Description
0000	Other
0010	Cargo (Variable Submunitions)
0020	Fuel/Air Explosive
0030	Glass Beads
0031	1 um
0032	5 um
0033	10 um
1000	High Explosive (HE)
1100	HE, Plastic
1200	HE, Incendiary
1300	HE, Fragmentation
1400	HE, Antitank
1500	HE, Bomblets
1600	HE, Shaped Charge
1610	HE, Continuous Rod
1615	HE, Tungsten Ball
1620	HE, Blast Fragmentation
1625	HE, Steerable Darts with HE
1630	HE, Darts
1635	HE, Flechettes
1640	HE, Directed Fragmentation
1645	HE, Semi-Armor Piercing (SAP)
1650	HE, Shaped Charge Fragmentation
1655	HE, Semi-Armor Piercing, Fragmentation
1660	HE, Hollow Charge
1665	HE, Double Hollow Charge

Field Value	Description
1670	HE, General Purpose
1675	HE, Blast Penetrator
1680	HE, Rod Penetrator
1685	HE, Antipersonnel
2000	Smoke
3000	Illumination
4000	Practice
5000	Kinetic
6000	Mines
7000	Nuclear
7010	Nuclear, IMT
8000	Chemical, General
8100	Chemical, Blister Agent
8110	HD (Mustard)
8115	Thickened HD (Mustard)
8120	Dusty HD (Mustard)
8200	Chemical, Blood Agent
8210	AC (HCN)
8215	CK (CNCI)
8220	CG (Phosgene)
8300	Chemical, Nerve Agent
8310	VX
8315	Thickened VX
8320	Dusty VX
8325	GA (Tabun)
8330	Thickened GA (Tabun)
8335	Dusty GA (Tabun)
8340	GB (Sarin)
8345	Thickened GB (Sarin)
8350	Dusty GB (Sarin)
8355	GD (Soman)
8360	Thickened GD (Soman)
8365	Dusty GD (Soman)
8370	GF
8375	Thickened GF
8380	Dusty GF
9000	Biological
9100	Biological, Virus
9200	Biological, Bacteria



Field Value	Description
9300	Biological, Rickettsia
9400	Biological, Genetically Modified Micro-organisms
9500	Biological, Toxin

### 5.1.2. Fuse (detonator)

Values for this field are:

Field Value	Description
0000	Other
0010	Intelligent Influence
0020	Sensor
0030	Self-destruct
0040	Ultra Quick
0050	Body
0060	Deep Intrusion
0100	Multifunction
0200	Point Detonation (PD)
0300	Base Detonation (BD)
1000	Contact
1100	Contact, Instant (Impact)
1200	Contact, Delayed
1201	10 ms delay
1202	20 ms delay
1205	50 ms delay
1206	60 ms delay
1210	100 ms delay
1212	125 ms delay
1225	250 ms delay
1300	Contact, Electronic (Oblique Contact)
1400	Contact, Graze
1500	Contact, Crush
1600	Contact, Hydrostatic
1700	Contact, Mechanical
1800	Contact, Chemical
1900	Contact, Piezoelectric
1910	Contact, Point Initiating
1920	Contact, Point Initiating, Base Detonating

Field Value	Description
1930	Contact, Base Detonating
1940	Contact, Ballistic Cap and Base
1950	Contact, Base
1960	Contact, Nose
1970	Contact, Fitted in Standoff Probe
1980	Contact, Non-aligned
2000	Timed
2100	Timed, Programmable
2200	Timed, Burnout
2300	Timed, Pyrotechnic
2400	Timed, Electronic
2500	Timed, Base Delay
2600	Timed, Reinforced Nose Impact Delay
2700	Timed, Short Delay Impact
2701	10 ms delay
2702	20 ms delay
2705	50 ms delay
2706	60 ms delay
2710	100 ms delay
2712	125 ms delay
2725	250 ms delay
2800	Timed, Nose Mounted Variable Delay
2900	Timed, Long Delay Side
2910	Timed, Selectable Delay
2920	Timed, Impact
2930	Timed, Sequence
3000	Proximity
3100	Proximity, Active Laser
3200	Proximity, Magnetic (Magpolarity)
3300	Proximity, Active Radar (Doppler Radar)
3400	Proximity, Radio Frequency (RF)
3500	Proximity, Programmable
3600	Proximity, Programmable, Prefragmented
3700	Proximity, Infrared
4000	Command
4100	Command, Electronic, Remotely Set
5000	Altitude
5100	Altitude, Radio Altimeter
5200	Altitude, Air Burst

Field Value	Description
6000	Depth
7000	Acoustic
8000	Pressure
8010	Pressure, Delay
8100	Inert
8110	Dummy
8120	Practice
8130	Plug Representing
8150	Training
9000	Pyrotechnic
9010	Pyrotechnic, Delay
9100	Electro-optical
9110	Electromechanical
9120	Electromechanical, Nose
9200	Strikerless
9210	Strikerless, Nose Impact
9220	Strikerless, Compression-Ignition
9300	Compression-Ignition
9310	Compression-Ignition, Strikerless, Nose Impact
9400	Percussion
9410	Percussion, Instantaneous
9500	Electronic
9510	Electronic, Internally Mounted
9520	Electronic, Range Setting
9530	Electronic, Programmed
9600	Mechanical
9610	Mechanical, Nose
9620	Mechanical, Tail

## 5.2. Detonation Result

This section specifies the 8-bit enumeration for the Detonation-Result field in the Detonation PDU.

Field Value	Description
0	Other
1	Entity Impact
2	Entity Proximate Detonation

Field Value	Description
3	Ground Impact
4	Ground Proximate Detonation
5	Detonation
6	None or No Detonation (Dud)
7	HE hit, small
8	HE hit, medium
9	HE hit, large
10	Armor-piercing hit
11	Dirt blast, small
12	Dirt blast, medium
13	Dirt blast, large
14	Water blast, small
15	Water blast, medium
16	Water blast, large
17	Air hit
18	Building hit, small
19	Building hit, medium
20	Building hit, large
21	Mine-clearing line charge
22	Environment object impact
23	Environment object proximate detonation
24	Water Impact
25	Air Burst
26	Kill with fragment type 1
27	Kill with fragment type 2
28	Kill with fragment type 3
29	Kill with fragment type 1 after fly-out failure
30	Kill with fragment type 2 after fly-out failure
31	Miss due to fly-out failure
32	Miss due to end-game failure
33	Miss due to fly-out and end-game failure

# Chapter 6. Logistics

## 6.1. Service Request PDU

This section specifies the 8-bit enumeration for the Service-Type-Requested field in the Service-Request PDU.

Field Value	Description
0	Other
1	Resupply
2	Repair

## 6.2. Repair Complete PDU

This section specifies the 16-bit enumeration for the Repair field in the Repair Complete PDU.

### 6.2.1. General repair codes

These codes apply to all entities that may have requested repair:

Field Value	Description
0	no repairs performed
1	all requested repairs performed

### 6.2.2. Drive train

Field Value	Description
10	motor / engine
20	starter
30	alternator
40	generator
50	battery
60	engine-coolant leak
70	fuel filter
80	transmission-oil leak
90	engine-oil leak

Field Value	Description
100	pumps
110	filters
120	transmission
130	brakes
140	suspension system
150	oil filter
160 - 999	(Unused)

### 6.2.3. Hull/Airframe/B

Field Value	Description
1000	hull
1010	airframe
1020	truck body
1030	tank body
1040	trailer body
1050	turret
1060 - 1499	(Unused)

### 6.2.4. Interfaces with environment

Field Value	Description
1500	propeller
1520	filters
1540	wheels
1550	tire
1560	track
1570 - 1999	(Unused)

### 6.2.5. Weapons

Field Value	Description
2000	gun elevation drive
2010	gun stabilization system
2020	gunner's primary sight (GPS)
2030	commander's extension to the GPS

Field Value	Description
2040	loading mechanism
2050	gunner's auxiliary sight
2060	gunner's control panel
2070	gunner's control assembly handle(s)
2090	commander's control handles/assembly
2100	commander's weapon station
2110	commander's independent thermal viewer (CITV)
2120	general weapons
2121 - 3999	(Unused)

### 6.2.6. Fuel systems

Field Value	Description
4000	fuel transfer pump
4010	fuel lines
4020	gauges
4030	general fuel system
4031 - 4499	(Unused)

### 6.2.7. Electronics

Field Value	Description
4500	electronic warfare systems
4600	detection systems
4610	radio frequency
4620	microwave
4630	infrared
4640	laser
4700	range finders
4710	range-only radar
4720	laser range finder
4800	electronic systems
4810	radio frequency
4820	microwave
4830	infrared
4840	laser
5000	radios

Field Value	Description
5010	communication systems
5100	intercoms
5200	encoders
5250	encryption devices
5300	decoders
5350	decryption devices
5500	computers
6000	navigation and control systems
6500	fire control systems
6501 - 7999	(Unused)

### 6.2.8. Life support systems

Field Value	Description
8000	air supply
8010	filters
8020	water supply
8030	refrigeration system
8040	chemical, biological, and radiological protection
8050	water wash down systems
8060	decontamination systems
8070 - 8999	(Unused)

### 6.2.9. Hydraulic systems and actuators

Field Value	Description
9000	water supply
9010	cooling system
9020	winches
9030	catapults
9040	cranes
9050	launchers
9060 - 9999	(Unused)

### 6.2.10. Auxiliary craft



Field Value	Description
10000	life boats
10010	landing craft
10020	ejection seats
10030 - 10499	(Unused)

## 6.3. Repair Response PDU

This section specifies the 8-bit enumeration for the Repair-Result field in the Repair-Response PDU.

Field Value	Description
0	other
1	repair ended
2	invalid repair
3	repair interrupted
4	service canceled by the supplier

# Chapter 7. Simulation Management family

## 7.1. Datum Specification record

This section specifies the 32-bit enumerations for Datum ID in the Datum Specification Record, as found in the Action-Request, Action-Response, Data-Query, Set-Data, Data, Event-Report, and Message PDUs. Also shown for each datum are its type, length, units, and an abbreviated description.

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
10000	Identification				
11000	Entity Type				
11100	Concatenated				
11110	Kind	Unsigned Integer	8		
11120	Domain	Unsigned Integer	8		
11130	Country	Unsigned Integer	16		
11140	Category	Unsigned Integer	8		
11150	Subcategory	Unsigned Integer	8		
11160	Specific	Unsigned Integer	8		
11170	Extra	Unsigned Integer	8		
11200	Force ID	Unsigned Integer	8		
11300	Description				
12000	Alternative Entity Type				
12110	Kind	Unsigned Integer	8		
12120	Domain	Unsigned Integer	8		
12130	Country	Unsigned Integer	16		
12140	Category	Unsigned Integer	8		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
12150	Subcategory	Unsigned Integer	8		
12160	Specific	Unsigned Integer	8		
12170	Extra	Unsigned Integer	8		
12300	Description				
13000	Entity Marking				
13100	Entity Marking Characters	String	80		
13200	Crew ID	String	80		
14000	Task Organization				
14200	Regiment Name	String			
14300	Battalion Name	String			
14400	Company Name	String			
14500	Platoon Name				
14520	Squad Name				
14540	Team Name				
14600	Bumper Number				
14700	Vehicle Number				
14800	Unit Number				
15000	DIS Identity				
15100	DIS Site ID				
15200	DIS Host ID				
15300	DIS Entity ID				
15400	Mount Intent	Datum Specification Sub-record	544		
15500	Tether-Unthether Command ID	Unsigned Integer	32		
15510	Teleport Entity Data Record	Variable record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
15600	DIS Aggregate ID (Set if communication to aggregate)	Unsigned Integer	32		Integer Aggregate ID
20000	Loads				
21000	Crew Members				
21100	Crew Member ID				
21200	Health				
21300	Job Assignment	String			
23000	Fuel				
23100	Quantity			Liters	
23105	Quantity			Gallons	
24000	Ammunition				
24001	120-mm HEAT, quantity			Rounds	
24002	120-mm SABOT, quantity			Rounds	
24003	12.7-mm M8, quantity			Rounds	
24004	12.7-mm M20, quantity			Rounds	
24005	7.62-mm M62, quantity			Rounds	
24006	M250 UKL8A1, quantity			Grenades	
24007	M250 UKL8A3, quantity			Grenades	
24008	7.62-mm M80, quantity			Rounds	
24009	12.7-mm, quantity			Rounds	
24010	7.62-mm, quantity			Rounds	

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
24060	Mines, quantity			Mines	
24100	Type				
24110	Kind				
24120	Domain				
24130	Country				
24140	Category				
24150	Subcategory				
24160	Extra				
24300	Description				
25000	Cargo				
26000	Vehicle Mass	Unsigned Integer	32	Kilograms	
27000	Supply Quantity				
28000	Armament	Boolean			
30000	Status				
30010	Activate entity	Integer	32		0 Unspecified, 1 Activate platform
30100	Subscription State	Enumeration	8		
30300	Round trip time delay	Unsigned Integer	32 bits	milliseconds	
30400	TADIL J message count (label 0)	Unsigned Integer	32 bits		
30401	TADIL J message count (label 1)	Unsigned Integer	32 bits		
30402	TADIL J message count (label 2)	Unsigned Integer	32 bits		
30403	TADIL J message count (label 3)	Unsigned Integer	32 bits		
30404	TADIL J message count (label 4)	Unsigned Integer	32 bits		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
30405	TADIL J message count (label 5)	Unsigned Integer	32 bits		
30406	TADIL J message count (label 6)	Unsigned Integer	32 bits		
30407	TADIL J message count (label 7)	Unsigned Integer	32 bits		
30408	TADIL J message count (label 8)	Unsigned Integer	32 bits		
30409	TADIL J message count (label 9)	Unsigned Integer	32 bits		
30410	TADIL J message count (label 10)	Unsigned Integer	32 bits		
30411	TADIL J message count (label 11)	Unsigned Integer	32 bits		
30412	TADIL J message count (label 12)	Unsigned Integer	32 bits		
30413	TADIL J message count (label 13)	Unsigned Integer	32 bits		
30414	TADIL J message count (label 14)	Unsigned Integer	32 bits		
30415	TADIL J message count (label 15)	Unsigned Integer	32 bits		
30416	TADIL J message count (label 16)	Unsigned Integer	32 bits		
30417	TADIL J message count (label 17)	Unsigned Integer	32 bits		
30418	TADIL J message count (label 18)	Unsigned Integer	32 bits		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
30419	TADIL J message count (label 19)	Unsigned Integer	32 bits		
30420	TADIL J message count (label 20)	Unsigned Integer	32 bits		
30421	TADIL J message count (label 21)	Unsigned Integer	32 bits		
30422	TADIL J message count (label 22)	Unsigned Integer	32 bits		
30423	TADIL J message count (label 23)	Unsigned Integer	32 bits		
30424	TADIL J message count (label 24)	Unsigned Integer	32 bits		
30425	TADIL J message count (label 25)	Unsigned Integer	32 bits		
30426	TADIL J message count (label 26)	Unsigned Integer	32 bits		
30427	TADIL J message count (label 27)	Unsigned Integer	32 bits		
30428	TADIL J message count (label 28)	Unsigned Integer	32 bits		
30429	TADIL J message count (label 29)	Unsigned Integer	32 bits		
30430	TADIL J message count (label 30)	Unsigned Integer	32 bits		
30431	TADIL J message count (label 31)	Unsigned Integer	32 bits		
31000	Position				
31010	Route (Waypoint) type	Integer	32		0 Default, 1 Orbit

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
31100	MilGrid10				
31200	Geocentric Coordinates				
31210	X	Unsigned Integer	32	Meters	
31220	Y	Unsigned Integer	32	Meters	
31230	Z	Unsigned Integer	32	Meters	
31300	Latitude	Unsigned Integer	32	Degrees	
31400	Longitude	Unsigned Integer	32	Degrees	
31500	Line of Sight				
31510	X	Unsigned Integer	32	meters	
31520	Y	Unsigned Integer	32	Meters	
31530	Z	Unsigned Integer	32	Meters	
31600	Altitude	Integer	32	Meters	
31700	Destination Latitude	Integer	32	(10000th) Degrees	
31800	Destination Longitude	Integer	32	(10000th) Degrees	
31900	Destination Altitude	Integer	32	Meters	
32000	Orientation	Variable Datum	96	Radians	3-32bit Floating Point
32100	Hull Heading Angle	Unsigned Integer	32	Degrees	
32200	Hull Pitch Angle	Unsigned Integer	32	Degrees	
32300	Roll Angle	Unsigned Integer	32	Degrees	
32500	X	Unsigned Integer	32	Degrees	
32600	Y	Unsigned Integer	32	Degrees	
32700	Z	Unsigned Integer	32	Degrees	



Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
33000	Appearance				
33100	Ambient Lighting				
33101	Lights				
33200	Paint Scheme				
33300	Smoke				
33400	Trailing Effects				
33500	Flaming				
33600	Marking				
33710	Mine Plows Attached				
33720	Mine Rollers Attached				
33730	Tank Turret Azimuth			Degrees Rel 2 lon	
34000	Failures and Malfunctions				
34100	Age			Miles	
34110	Kilometers				
35000	Damage				
35050	Cause				
35100	Mobility Kill				
35200	Fire-Power Kill				
35300	Personnel Casualties				
36000	Velocity				
36100	X-velocity			Meters/second	
36200	Y-velocity			Meters/second	
36300	Z-velocity			Meters/second	
36400	Speed	Floating Point	32	Meters/second	
37000	Acceleration				
37100	X-acceleration				
37200	Y-acceleration				
37300	Z-acceleration				
38100	Engine Status				
39000	Primary Target Line (PTL)	Unsigned Integer	32	Degrees	
40000	Exercise				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
40010	Exercise State	Variable Record	64		
40015	Restart/Refresh	Unsigned Integer	32		0 Undefined, 1 Restart
40020	AFATDS File Name	Variable Record			1..40 ASCII Characters
41000	Terrain Database	Unsigned Integer	32		
41001	41001	41001	41001	41001	41001
42000	Missions				
42100	Mission ID				
42200	Mission Type				
42300	Mission Request Time Stamp				
43000	Exercise Description	String			
43100	Name	String			
43200	Entities	Integer			
43300	Version				
43410	Guise Mode	Unsigned Integer	32		
43420	Simulation Application Active Status	Unsigned Integer	16		0 Backup, 1 Primary
43430	Simulation Application Role Record	Variable Record	64		
43440	Simulation Application State	Variable Record	64		
44000	Visual Output Mode				
44100	Simulation Manager Role	Variable Record			
44110	Simulation Manager Site ID	Unsigned Integer	16		
44120	Simulation Manager Applic. ID	Unsigned Integer	16		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
44130	Simulation Manager Entity ID	Unsigned Integer	16		
44140	Simulation Manager Active Status	Unsigned Integer	16		0 Backup, 1 Primary
44200	After Active Review Role	Variable Record			
44210	After Active Review Site ID	Unsigned Integer	16		
44220	After Active Applic. ID	Unsigned Integer	16		
44230	After Active Review Entity ID	Unsigned Integer	16		
44240	After Active Review Active Status	Unsigned Integer	16		0 Backup, 1 Primary
44300	Exercise Logger Role	Variable Record			
44310	Exercise Logger Site ID	Unsigned Integer	16		
44320	Exercise Logger Applic. ID	Unsigned Integer	16		
44330	Exercise Entity ID	Unsigned Integer	16		
44340	Exercise Logger Active Status	Unsigned Integer	16		0 Backup, 1 Primary
44400	Synthetic Environment Manager Role	Variable Record			
44410	Synthetic Environment Manager Site ID	Unsigned Integer	16		
44420	Synthetic Environment Manager Applic. ID	Unsigned Integer	16		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
44430	Synthetic Environment Manager Entity ID	Unsigned Integer	16		
44440	Synthetic Environment Manager Active Status	Unsigned Integer	16		0 Backup, 1 Primary
44500	SIMNET-DIS Translator Role	Variable Record			
44510	SIMNET-DIS Translator Site ID	Unsigned Integer	16		
44520	SIMNET-DIS Translator Applic. ID	Unsigned Integer	16		
44530	SIMNET-DIS Translator Entity ID	Unsigned Integer	16		
44540	SIMNET-DIS Translator Active Status	Unsigned Integer	16		0 Backup, 1 Primary
45000	Application Rate	Floating point	32		
45005	Application Time	Clock Time Record	64		See IEEE Std 1278.1-1995 section 5.2.8
45010	Application Timestep	Timestamp	32		See IEEE Std 1278.1-1995 section 5.2.31
45020	Feedback Time	Timestamp	32		See IEEE Std 1278.1-1995 section 5.2.31
45030	Simulation Rate	Floating Point	32		
45040	Simulation Time	Clock Time Record	64		See IEEE Std 1278.1-1995 section 5.2.8
45050	Simulation Timestep	Timestamp	32		See IEEE Std 1278.1-1995 section 5.2.31

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
45060	Time Interval	Timestamp	32		See IEEE Std 1278.1-1995 section 5.2.31
45070	Time Latency	Timestamp	32		See IEEE Std 1278.1-1995 section 5.2.31
45080	Time Scheme	Unsigned Integer	32		1 Real time, 2 Scaled time, 3 Scaled and stepped time
46000	Exercise Elapsed Time	Unsigned integer	32	Seconds	Time since exercise started (takes into account exercise pauses and scaled exercise time)
46010	Elapsed Time	Unsigned integer	32	Seconds	Time since exercise started (real time, does not take into account exercise pauses and scaled exercise time)
50000	Environment				
51000	Weather				
51010	Weather Condition	Unsigned Integer	32	N/A	0 = Clear, 1 = Cloudy, 2 = Overcast, 3 = Foggy, 4 = Raining
51100	Thermal Condition				
51110	Thermal Visibility	Floating Point	32	Meters	
51111	Thermal Visibility	Unsigned integer	32	Meters	
52000	Time				
52001	Time	String	56		Format "HHMMSS"
52100	Time of Day, Discrete				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
52200	Time of Day, Continuous				
52300	Time Mode				
52305	Time Scene				
52310	Current Hour				
52320	Current Minute				
52330	Current Second				
52340	Azimuth				
52350	Maximum Elevation				
52360	Time Zone				
52370	Time Rate	Integer	32		1000 * Ratio (Simulation Time / Wall Clock Time)
52380	The number of simulation seconds since the start of the exercise (simulation time)	Integer	32	Seconds	
52400	Time Sunrise Enabled				
52410	Sunrise Hour				
52420	Sunrise Minute				
52430	Sunrise Second				
52440	Sunrise Azimuth				
52500	Time Sunset Enabled				
52510	Sunset Hour				
52511	Sunset Hour				
52520	Sunset Minute				
52530	Sunset Second				
52531	52531	52531	52531	52531	52531
52600	Date				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
52601	Date (European)	String	72		Format "DDM- MYYYY"
52602	Date (US)	String	72		Format "MMD- DYYYY"
52610	Month				
52620	Day				
52630	Year				
53000	Clouds				
53050	Cloud Layer Enable				
53060	Cloud Layer Selection				
53100	Visibility				
53200	Base Altitude	Unsigned Integer	32	Meters	
53250	Base Altitude			Feet	
53300	Ceiling	Unsigned Integer	32	Meters	
53350	Ceiling			Feet	
53400	Characteristics				
53410	Concentration Length	Floating Point	32	milligrams/meter <sup>2</sup>	
53420	Transmittance	Floating Point	32		
53430	Radiance	Floating Point	32	microwatts/ centimeter <sup>2</sup> / steradian	
54000	Precipitation	Boolean	32		
54100	Rain	Boolean			
55000	Fog	Boolean			
55100	Visibility			Meters	
55101	Visibility	Unsigned integer	32	Meters	
55105	Visibility			Miles	
55200	Density				
55300	Base				
55401	View Layer from above.				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
55410	Transition Range				
55420	Bottom			Meters	
55425	Bottom			Feet	
55430	Ceiling			Meters	
55435	Ceiling			Feet	
56000	Heavenly Bodies				
56100	Sun				
56105	Sun Visible	Unsigned integer	32	N/A	0 Not visible, 1 Visible
56110	Position				
56111	Sun Position Elevation, Degrees	Floating Point	32	Degrees	
56120	Position Azimuth				
56121	Sun Position Azimuth, Degrees	Floating Point	32	Degrees	Relative to True North
56130	Position Elevation				
56140	Position Intensity				
56200	Moon				
56205	Moon Visible	Unsigned integer	32	N/A	0 Not visible, 1 Visible
56210	Position				
56220	Position Azimuth				
56221	Moon Position Azimuth, Degrees	Floating Point	32	Degrees	Relative to True North
56230	Position Elevation				
56231	Moon Position Elevation, Degrees	Floating Point	32	Degrees	
56240	Position Intensity				
56310	Horizon				



Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
56320	Horizon Azimuth				
56330	Horizon Elevation				
56340	Horizon Heading				
56350	Horizon Intensity				
57200	Humidity				
57300	Visibility				
57400	Winds				
57410	Speed				
57411	Wind Speed, Knots	Floating Point	32	Knots	
57420	Wind Direction	Floating Point	32	Radians	Relative to True North
57421	Wind Direction, Degrees	Floating Point	32	Degrees	Relative to True North
57500	Rainsoak				
57610	Tide Speed	Floating Point	32	Meters/second	
57611	Tide Speed, Knots	Floating Point	32	Knots	
57620	Tide Direction	Floating Point	32	Radians	Relative to True North
57621	Tide Direction, Degrees	Floating Point	32	Degrees	Relative to True North
58000	Haze	Boolean			
58100	Visibility			Meters	
58105	Visibility			Miles	
58200	Density				
58430	Ceiling			Meters	
58435	Ceiling			Feet	
59000	Contaminants and Obscurants				
59100	Contaminant/Obscure Type	Unsigned Integer	32		
59110	Persistence	Enumeration	8		0 Neat, 1 Dry, 2 Thickened

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
59115	Chemical Dosage	Floating Point	32	milligrams/meter <sup>3</sup> /minute	
59120	Chemical Air Concentration	Floating Point	32	milligrams/meter <sup>3</sup>	
59125	Chemical Ground Deposition	Floating Point	32	milligrams/meter <sup>2</sup>	
59130	Chemical Maximum Ground Deposition	Floating Point	32	milligrams/meter <sup>2</sup>	
59135	Chemical Dosage Threshold	Floating Point	32	milligram/meter <sup>3</sup> /minute	
59140	Biological Dosage	Floating Point	32	particles/liter of air/minute	
59145	Biological Air Concentration	Floating Point	32	particles/liter of air	
59150	Biological Dosage Threshold	Floating Point	32	particles/liter of air/minute	
59155	Biological Binned Particle Count	Enumeration	8		1 Low (.5-2), 2 Detection (2-.10), 3 High (10-15)
59160	Radiological Dosage	Floating Point	32		
60000	Communications				
61100	Channel Type				
61101	Channel Type				
61200	Channel Identification				
61300	Alpha Identification				
61301	61301	61301	61301	61301	61301
61400	Radio Identification				
61401	61401	61401	61401	61401	61401
61500	Land Line Identification				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
61600	Intercom Identification				
61700	Group Network Channel Number				
62100	Radio Communications Status				
62200	Stationary Radio Transmitters Default Time	Unsigned Integer			
62300	Moving Radio Transmitters Default Time	Unsigned Integer			
62400	Stationary Radio Signals Default Time				
62500	Moving Radio Signal Default Time				
63101	Radio Initialization Transec Security Key	Variable Record			
63102	Radio Initialization Internal Noise Level	Variable Record			
63103	Radio Initialization Squelch Threshold	Variable Record			
63104	Radio Initialization Antenna Location	Variable Record			
63105	Radio Initialization Antenna Pattern Type	Variable Record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
63106	Radio Initialization Antenna Pattern Length	Variable Record			
63107	Radio Initialization Beam Definition	Variable Record			
63108	Radio Initialization Transmit Heartbeat Time	Variable Record			
63109	Radio Initialization Transmit Distance Threshold Variable Record				
63110	Radio Channel Initialization Lockout ID	Variable Record			
63111	Radio Channel Initialization Hopset ID	Variable Record			
63112	Radio Channel Initialization Preset Frequency	Variable Record			
63113	Radio Channel Initialization Frequency Sync Time	Variable Record			
63114	Radio Channel Initialization Comsec Key	Variable Record			
63115	Radio Channel Initialization Alpha	Variable Record			
70000	Algorithm Parameters				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
71000	Dead Reckoning Algorithm (DRA)				
71100	DRA Location Threshold	Unsigned Integer	32		
71200	DRA Orientation Threshold				
71300	DRA Time Threshold				
72000	Simulation Management Parameters				
72100	Checkpoint Interval				
72600	Transmitter Time Threshold				
72700	Receiver Time Threshold				
73000	Interoperability Mode				
74000	SIMNET Data Collection <sub>a</sub>	Variable Record			
75000	Event ID				
75100	Source Site ID				
75200	Source Host ID				
90000	Articulated Parts				
90001	90001	90001	90001	90001	90001
90050	Part ID				
90070	Index(See Section 4.7.1.1).				
90100	Position				
90200	Position Rate				
90300	Extension				
90400	Extension Rate				
90500	X				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
90600	X-rate				
90700	Y				
90800	Y-rate				
90900	Z				
91000	Z-rate				
91100	Azimuth				
91200	Azimuth Rate				
91300	Elevation				
91400	Elevation Rate				
91500	Rotation				
91600	Rotation Rate				
100001	DRA Angular X-Velocity				
100002	DRA Angular Y-Velocity				
100003	DRA Angular Z-Velocity				
100004	Appearance, Trailing Effects				
100005	Appearance, Hatch				
100008	Appearance, Character Set				
100010	Capability, Ammunition Supplier				
100011	Capability, Miscellaneous Supplier				
100012	Capability, Repair Provider				
100014	Articulation Parameter				
100047	Articulation Parameter Type				
100048	Articulation Parameter Value				

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
100058	Time of Day-Scene				
100061	Latitude-North (Location of weather cell)	Unsigned Integer			
100063	Longitude-East (Location of weather cell)	Unsigned integer			
100068	Tactical Driver Status	Unsigned Integer			0 Operational, 1 Non-operational, 2 Unknown, 3 Not available
100100	Sonar System Status				
100161	Upper latitude	float	32 bits	radians	-pi/2, +p1/2
100162	Latitude-South (Location of weather cell)	Unsigned Integer			
100163	Western longitude	float	32 bits	radians	-pi, +pi
100164	Longitude-West (location of weather cell)	Unsigned Integer			
100165	Accomplished accept	Boolean			0 Accept, 1 Non-accept
100165	CD ROM Number (Disk ID for terrain)	Integer			
100166	DTED disk ID	Unsigned Integer	32 bits		
100167	Altitude	Floating point			
100169	Tactical System Status	Unsigned Integer			0 Operational, 1 Non-operational, 2 Unknown, 3 Not available
100170	JTIDS Status	Unsigned Integer			0 Operational, 1 Non-operational, 2 Unknown, 3 Not available

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
100171	TADIL-J Status	Unsigned Integer			0 Operational, 1 Non-operational, 2 Unknown, 3 Not available
100172	DSDD Status	Unsigned Integer			0 Operational, 1 Non-operational, 2 Unknown, 3 Not available
100200	Weapon System Status				
100205	Subsystem status	Boolean	32 bits		
100206	Number of interceptors fired	Unsigned Integer	32 bits		
100207	Number of interceptor detonations	Unsigned Integer	32 bits		
100208	Number of message buffers dropped	Unsigned Integer	32 bits		
100213	Satellite sensor background (year, day)	Unsigned Integer, Unsigned Integer	16 bits, 16 bits	years, Julian days	1-366
100214	Satellite sensor background (hour, minute)	Unsigned Integer, Unsigned Integer	16 bits, 16 bits	hours, minutes	0-23,0-59
100218	Script Number	Integer	32		
100300	Entity/Track/Update Data				
100400	Local/Force Training				
100500	Entity/Track Identity Data				
100510	Entity for Track Event	Variable	48		Entity being tracked



Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
100520	IFF (Friend-Foe) status	Unsigned Integer	32		0 Unidentified / Unknown, 1 Perceived Friendly, 2 Perceived Hostile
100600	Engagement Data				
100610	Target Latitude	Integer	32	(10000th) Degrees	
100620	Target Longitude	Integer	32	(10000th) Degrees	
100631	Area of Interest (Ground Impact Circle) Center Latitude	Integer	32	(10000th) Degrees	
100632	Area of Interest (Ground Impact Circle) Center Longitude	Integer	32	(10000th) Degrees	
100633	Area of Interest (Ground Impact Circle) Radius	Unsigned Integer	32	Meters	
100634	Area of Interest Type	Unsigned Integer	32		0 Unspecified, 1 TBM Defense
100640	Target Aggregate ID	Variable	48		
100650	GIC Identification Number	Unsigned Integer	32		
100660	Estimated Time of Flight to TBM Impact	Floating Point	32		Seconds from time in PDU header
100661	Estimated Intercept Time	Floating Point	32		Seconds from time in PDU header

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
100662	Estimated Time of Flight to Next Waypoint	Floating Point	32		Seconds from time in PDU header
100700	Entity/Track Equipment Data				
100800	Emission/EW Data				
100900	Appearance Data				
101000	Command/Order Data				
101100	Environmental Data				
101200	Significant Event Data				
101300	Operator Action Data				
101310	ADA Engagement Mode	Unsigned Integer	32		0 Air, 1 ATBM
101320	ADA Shooting Status	Unsigned Integer	32		0 Can not engage, 1 Can engage,
101321	ADA Mode	Unsigned Integer	32		0 Shut down, 1 Active
101330	ADA Radar Status	Unsigned Integer	32		0 Off, 1 On, 2 Momentary On
101340	Shoot Command	Unsigned Integer	32		0 Undefined, > 0 Number of Shots to take
101350	ADA Weapon Status	Unsigned Integer	32		0 None, 1 Free, 2 Tight, 3 Hold
101360	ADA Firing Discipline	Unsigned Integer	32		0 SLS_ABT, 1 Shoot 2_ABT, 2 Lash Mode, 3 SLS_TM, 4 Shoot2_TM, 5 Default

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
101370	Order Status	Unsigned Integer	32		0 Cancel Engagement, 1 Engage Assignment
101400	Time Synchronization				
101500	Tomahawk Data				
102100	Number of Detonations	Unsigned Integer			
102200	Number of Intercepts	Unsigned Integer			
200201	OBT Control MT-201	Variable Record	64		
200202	Sensor Data MT-202	Variable Record	64		
200203	Environmental Data MT-203	Variable Record	64		
200204	Ownship Data MT-204	Variable Record	128		
200205	Acoustic Contact Data MT-205	Variable Record	288		
200207	Sonobuoy Data MT-207	Variable Record	64		
200210	Sonobuoy Contact Data MT-210	Variable Record	64		
200211	Helo Control MT-211	Variable Record	64		
200213	ESM Control Data	Variable Record	96		
200214	ESM Contact Data MT-214	Variable Record	192		
200215	ESM Emitter Data MT-215	Variable Record	64		
200216	Weapon Definition Data MT-217	Variable Record	224		
200217	Weapon Preset Data MT-217	Variable Record	256		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200301	OBT Control MT-301	Variable Record	64		
200302	Sensor Data MT-302	Variable Record	64		
200303	Environmental Data MT-303m	Variable Record	64		
200304	Ownship Data MT-304	Variable Record	64		
200305	Acoustic Contact Data MT-305	Variable Record	288		
200307	Sonobuoy Data MT-307	Variable Record	128		
200310	Sonobuoy Contact Data MT-310	Variable Record	64		
200311	Helo Scenario / Equipment Status	Variable Record	224		
200313	ESM Control Data MT-313	Variable Record	96		
200314	ESM Contact Data MT-314	Variable Record	192		
200315	ESM Emitter Data MT-315	Variable Record	64		
200316	Weapon Definition Data MT-316	Variable Record	256		
200317	Weapon Preset Data MT-317	Variable Record	256		
200400	Pairing/Association (eMT-56)	Variable Record			
200401	Pointer (eMT-57)	Variable Record			
200402	Reporting Responsibility (eMT-58)	Variable Record			
200403	Track Number (eMT-59)	Variable Record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200404	ID for Link-11 Reporting (eMT-60)	Variable Record			
200405	Remote Track (eMT-62)	Variable Record			
200406	Link-11 Error Rate (eMT-63)	Variable Record			
200407	Track Quality (eMT-64)	Variable Record			
200408	Gridlock (eMT-65)	Variable Record			
200409	Kill (eMT-66)	Variable Record			
200410	Track ID Change / Resolution (eMT-68)	Variable Record			
200411	Weapons Status (eMT-69)	Variable Record			
200412	Link-11 Operator (eMT-70)	Variable Record			
200413	Force Training Transmit (eMT-71)	Variable Record			
200414	Force Training Receive (eMT-72)	Variable Record			
200415	Interceptor Amplification (eMT-75)	Variable Record			
200416	Consumables (eMT-78)	Variable Record			
200417	Link-11 Local Track Quality (eMT-95)	Variable Record			
200418	DLRP (eMT-19)	Variable Record			
200419	Force Order (eMT-52)	Variable Record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200420	Wilco / Cantco (eMT-53)	Variable Record			
200421	EMC Bearing (eMT-54)	Variable Record			
200422	Change Track Eligibility (eMT-55)	Variable Record			
200423	Land Mass Reference Point	Variable Record			
200424	System Reference Point	Variable Record			
200425	PU Amplification	Variable Record			
200426	Set/Drift	Variable Record			
200427	Begin Initialization (MT-1)	Variable Record			
200428	Status and Control (MT-3)	Variable Record			
200429	Scintillation Change (MT-39)	Variable Record			
200430	Link 11 ID Control (MT-61)	Variable Record			
200431	PU Guard List	Variable Record			
200432	Winds Aloft (MT-14)	Variable Record			
200433	Surface Winds (MT-15)	Variable Record			
200434	Sea State (MT-17)	Variable Record			
200435	Magnetic Variation (MT-37)	Variable Record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200436	Track Eligibility (MT-29)	Variable Record			
200437	Training Track Notification	Variable Record			
200501	Tacan Data (MT-32)	Variable Record			
200502	Interceptor Amplification (MT-75)	Variable Record			
200503	Tacan Assignment (MT-76)	Variable Record			
200504	Autopilot Status (MT-77)	Variable Record			
200505	Consumables (MT-78)	Variable Record			
200506	Downlink (MT-79)	Variable Record			
200507	TIN Report (MT-80)	Variable Record			
200508	Special Point Control (MT-81)	Variable Record			
200509	Control Discretes (MT-82)	Variable Record			
200510	Request Target Discretes(MT-83)	Variable Record			
200511	Target Discretes (MT-84)	Variable Record			
200512	Reply Discretes (MT-85)	Variable Record			
200513	Command Maneuvers (MT-86)	Variable Record			

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200514	Target Data (MT-87)	Variable Record			
200515	Target Pointer (MT-88)	Variable Record			
200516	Intercept Data (MT-89)	Variable Record			
200517	Decrement Missile Inventory (MT-90)	Variable Record			
200518	Link-4A Alert (MT-91)	Variable Record			
200519	Strike Control (MT-92)	Variable Record			
200521	Speed Change (MT-25)	Variable Record			
200522	Course Change (MT-26)	Variable Record			
200523	Altitude Change (MT-27)	Variable Record			
200524	ACLS AN/SPN-46 Status	Variable Record			
200525	ACLS Aircraft Report	Variable Record			
200600	SPS-67 Radar Operator Functions	Variable Record			
200601	SPS-55 Radar Operator Functions	Variable Record			
200602	SPQ-9A Radar Operator Functions		Variable Record		
200603	SPS-49 Radar Operator Functions	Variable Record			
200604	MK-23 Radar Operator Functions	Variable Record			



Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
200605	SPS-48 Radar Operator Functions	Variable Record			
200606	SPS-40 Radar Operator Functions	Variable Record			
200607	MK-95 Radar Operator Functions	Variable Record			
200608	Kill/No Kill	Unsigned Integer	32		0 No kill, 1 Kill
200609	CMT pc	Unsigned Integer	32		
200610	CMC4AirGlobalData	Variable Record			
200611	CMC4GlobalData	Variable Record			
200612	LINKSIM_COMMAND_PDU	Integer	32		
200613	NSST Ownship Control	Integer	64		
240000	Other	Integer	00		
240001	Mass Of The Vehicle	real	32		
240002	Force ID	Integer	8		
240003	Entity Type Kind	Integer	8		
240004	Entity Type Domain	Integer	8		
240005	Entity Type Country	Integer	16		
240006	Entity Type Category	Integer	8		
240007	Entity Type Sub Category	Integer	8		
240008	Entity Type Specific	Integer	8		
240009	Entity Type Extra	Integer	8		
240010	Alternative Entity Type Kind	Integer	8		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240011	Alternative Entity Type Domain	Integer	8		
240012	Alternative Entity Type Country	Integer	16		
240013	Alternative Entity Type Category	integer	8		
240014	Alternative Entity Type Sub Category	integer	8		
240015	Alternative Entity Type Specific	integer	8		
240016	Alternative Entity Type Extra	integer	8		
240017	Entity Location X	real	64		
240018	Entity Location Y	real	64		
240019	Entity Location Z	real	64		
240020	Entity Linear Velocity X	real	32		
240021	Entity Linear Velocity Y	real	32		
240022	Entity Linear Velocity Z	real	32		
240023	Entity Orientation Psi	real	32		
240024	Entity Orientation Theta	real	32		
240025	Entity Orientation Phi	real	32		
240026	Dead Reckoning Algorithm	integer	8		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240027	Dead Reckoning Linear Acceleration X	real	32		
240028	Dead Reckoning Linear Acceleration Y	real	32		
240029	Dead Reckoning Linear Acceleration Z	real	32		
240030	Dead Reckoning Angular Velocity X	real	32		
240031	Dead Reckoning Angular Velocity Y	real	32		
240032	Dead Reckoning Angular Velocity Z	real	32		
240033	Entity Appearance	integer	32		
240034	Entity Marking Character Set	integer	8		
240035	Entity Marking 11 Bytes	character	88		
240036	Capability	integer	32		
240037	Number Articulation Parameters	integer	8		
240038	Articulation Parameter ID	integer	32		
240039	Articulation Parameter Type	integer	32		
240040	Articulation Parameter Value	real	64		
240041	Type Of Stores	integer	32		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240042	Quantity Of Stores	integer	32		
240043	Fuel Quantity	real	32		
240044	Radar System Status	integer	32		
240045	Radio Communication System Status	integer	32		
240046	Default Time For Radio Transmission For Stationary Transmitters	integer	32		
240047	Default Time For Radio Transmission For Moving Transmitters	integer	32		
240048	Body Part Damaged Ratio	real	32		
240049	Name Of The Terrain Database File	character	00		
240050	Name Of Local File	character	00		
240051	Aimpoint Bearing	real	32		
240052	Aimpoint Elevation	real	32		
240053	Aimpoint Range	real	32		
240054	Air Speed	real	32		
240055	Altitude	real	32		
240056	Application Status	structure	32		
240057	Auto Iff	integer	32		
240058	Beacon Delay	real	32		
240059	Bingo Fuel Setting	real	32		
240060	Cloud Bottom	real	32		
240061	Cloud Top	real	32		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240062	Direction	real	32		
240063	End Action	integer	32		
240064	Frequency	real	32		
240065	Freeze	integer	32		
240066	Heading	real	32		
240067	Identification	integer	32		
240068	Initial Point Data	integer	32		
240069	Latitude	real	64		
240070	Lights	integer	32		
240071	Linear	integer	32		
240072	Longitude	real	64		
240073	Low Altitude	real	32		
240074	Mfd Formats	integer	32		
240075	Nctr	integer	32		
240076	Number Projectiles	integer	32		
240077	Operation Code	integer	32		
240078	Pitch	real	32		
240079	Profiles	integer	32		
240080	Quantity	integer	32		
240081	Radar Modes	integer	32		
240082	Radar Search Volume	real	32		
240083	Roll	real	32		
240084	Rotation	real	32		
240085	Scale Factor X	real	32		
240086	Scale Factor Y	real	32		
240087	Shields	integer	32		
240088	Steerpoint	structure	192		
240089	Spare1	real	64		
240090	Spare2	real	64		
240091	Team	integer	32		
240092	Text	character	00		
240093	Time Of Day	integer	32		
240094	Trail Flag	integer	32		
240095	Trail Size	real	32		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240096	Type Of Projectile	integer	32		
240097	Type Of Target	integer	32		
240098	Type Of Threat	integer	32		
240099	Uhf Frequency	real	32		
240100	Utm Altitude	real	32		
240101	Utm Latitude	real	64		
240102	Utm Longitude	real	64		
240103	Vhf Frequency	real	32		
240104	Visibility Range	real	32		
240105	Void Aaa Hit	integer	32		
240106	Void Collision	integer	32		
240107	Void Earth Hit	integer	32		
240108	Void Friendly	integer	32		
240109	Void Gun Hit	integer	32		
240110	Void Rocket Hit	integer	32		
240111	Void Sam Hit	integer	32		
240112	Weapon Data	integer	32		
240113	Weapon Type	integer	32		
240114	Weather	integer	32		
240115	Wind Direction	real	32		
240116	Wind Speed	real	32		
240117	Wing Station	integer	32		
240118	Yaw	real	32		
240119	Memory Offset	integer	32		
240120	Memory Data	integer	00		
240121	VASI	integer	32		
240122	Beacon	integer	32		
240123	Strobe	integer	32		
240124	Culture	integer	32		
240125	Approach	integer	32		
240126	Runway End	integer	32		
240127	Obstruction	integer	32		

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
240128	Runway Edge	integer	32		
240129	Ramp Taxiway	integer	32		
240130	Laser Bomb Code	integer	32		
240131	Rack Type	integer	32		
240132	HUD	structure	00		
240133	RoleFileName	character	00		
240134	PilotName	character	00		
240135	PilotDesignation	integer	32		
240136	Model Type	integer	32		
240137	DIS Type	integer	64		
240138	Class	integer	32		
240139	Channel	integer	32		
240140	Entity Type	structure	64		
240141	Alternative Entity Type	structure	64		
240142	Entity Location	structure	192		
240143	Entity Linear Velocity	structure	96		
240144	Entity Orientation	structure	96		
240145	Dead Reckoning	structure	320		
240146	Failure Symptom	integer	32		1=LimitSpeed, 2 =LimitGLoad, 3=Both
240147	Max Fuel	real	32		
240148	Refueling Boom Connect	integer	32		
240149	Altitude AGL	real	32		
240150	Calibrated Airspeed	real	32		
240151	TACAN Channel	integer	32		
240152	TACAN Band	integer	32		0 = x, 1 = y
240153	TACAN Mode	integer	32		0 = off, 1 = rec, 2 = t/r, 3 = aa rec, 4 = aa t/r

Field Value	Description	Type	Length (bits)	Units	Limits/ Ranges/ Ref
Notes:					
a. The variable-datum-value field consists of: 32-bit unsigned integer, Data Collection Type; 32-bit unused; and multiple of 64 bits, SIMNET Data Collection Variant.					

## 7.2. Stop/Freeze PDU

### 7.2.1. Reason

This section specifies the 8-bit enumeration for the Reason field in the Stop/Freeze PDU.

Field Value	Description
0	Other
1	Recess
2	Termination
3	System Failure
4	Security Violation
5	Entity Reconstitution
6	Stop for reset
7	Stop for restart
8	Abort Training Return to Tactical Operations

### 7.2.2. Frozen Behavior

This section specifies the 8-bit Boolean array of the Frozen-Behavior field in the Stop/Freeze PDU. Any individual bit set to one indicates that the simulation application is to continue the corresponding activity in the frozen state; a bit set to zero indicates that the activity is to cease in the frozen state.

Name	Bits	Purpose
Simulation clock	0	Run internal simulation clock.
Transmit PDUs	1	Transmit PDUs.
Receive PDUs	2	Update simulation models of other entities via received PDUs.
	7 - 3	(Unused)



## 7.3. Acknowledge PDU

### 7.3.1. Acknowledge Flag

This section specifies the 16-bit enumeration for the Acknowledge-Flag field in the Acknowledge PDU.

Field Value	Description
1	Create Entity
2	Remove Entity
3	Start/Resume
4	Stop/Freeze
5	Transfer Control Request

### 7.3.2. Response Flag

This field specifies the 16-bit enumeration for the Response Flag field in the Acknowledge PDU.

Field Value	Description
0	Other
1	Able to comply
2	Unable to comply

## 7.4. Action Request PDU

### 7.4.1. Action ID

This section specifies the 32-bit enumeration for the Action-ID field in the Action-Request PDU.

Field Value	Description
0	Other
1	Local storage of the requested information
2	Inform SM of event "ran out of ammunition"
3	Inform SM of event "killed in action"
4	Inform SM of event "damage"
5	Inform SM of event "mobility disabled"
6	Inform SM of event "fire disabled"

Field Value	Description
7	Inform SM of event "ran out of fuel"
8	Recall checkpoint data
9	Recall initial parameters
10	Initiate tether-lead
11	Initiate tether-follow
12	Unthether
13	Initiate service station resupply
14	Initiate tailgate resupply
15	Initiate hitch lead
16	Initiate hitch follow
17	Unhitch
18	Mount
19	Dismount
20	Start DRC (Daily Readiness Check)
21	Stop DRC
22	Data Query
23	Status Request
24	Send Object State Data
25	Reconstitute
26	Lock Site Configuration
27	Unlock Site Configuration
28	Update Site Configuration
29	Query Site Configuration
30	Tethering Information
31	Mount Intent
33	Accept Subscription
34	Unsubscribe
35	Teleport entity
36	Change aggregate state
37	Request Start PDU
38	Wakeup get ready for initialization
39	Initialize internal parameters
40	Send plan data
41	Synchronize internal clocks
42	Run
43	Save internal parameters
44	Simulate malfunction
45	Join exercise
46	Resign exercise

Field Value	Description
47	Time advance
100	TACCSF LOS Request-Type 1
101	TACCSF LOS Request-Type 2

## 7.5. Action Response PDU

### 7.5.1. Request Status

This section specifies the 32-bit enumeration for the Request-Status field in the Action-Response PDU.

Field Value	Description
0	Other
1	Pending
2	Executing
3	Partially Complete
4	Complete
5	Request rejected
6	Retransmit request now
7	Retransmit request later
8	Invalid time parameters
9	Simulation time exceeded
10	Request done
100	TACCSF LOS Reply-Type 1
101	TACCSF LOS Reply-Type 2
201	Join Exercise Request Rejected

## 7.6. Event Report PDU

### 7.6.1. Event Type

This section specifies the 32-bit enumeration for the Event-Type field in the Event-Report PDU.

Field Value	Description
0	Other

Field Value	Description
1	(Unused)
2	Ran out of ammunition
3	Killed in action
4	Damage
5	Mobility disabled
6	Fire disabled
7	Ran out of fuel
8	Entity initialization
9	Request for indirect fire or CAS mission
10	Indirect fire or CAS fire
11	Minefield entry
12	Minefield detonation
13	Vehicle master power on
14	Vehicle master power off
15	Aggregate state change requested
16	Prevent Collision / Detonation

## 7.7. Simulation Management w/Reliability family

The enumerations in this section are specific to the Simulation Management w/Reliability protocol.

### 7.7.1. Required Reliability Service

This field specifies the 8-bit enumeration for the Required Reliability Service field in the Create Entity-R, Remove Entity-R, Start/Resume-R, Stop/Freeze-R, Action Request-R, Data Query-R, Set Data-R, Data-R, Record Query-R, Set Record-R, and Record-R PDUs.

Field Value	Description
0	Acknowledged
1	Unacknowledged

# Chapter 8. Distributed Emission Regeneration family

## 8.1. Electromagnetic Emission PDU

### 8.1.1. Emitter Name

This section specifies the 16-bit enumeration for the Emitter-Name field in the Emitter System record of the Electromagnetic Emission PDU. The number space is divided into three segments: electromagnetic emitters, acoustic emitters, and other emitter.

#### 8.1.1.1. Electromagnetic emitters

Field Value	Description	NATO Reporting Name	Commercial Designation
10	1RL138		
45	1226 DECCA MIL		
80	9GR400		
90	9GR600		
135	9LV 200 TA		
180	9LV 200 TV		
225		A310Z	
270		A325A	
315		A346Z	
360		A353B	
405		A372A	
450		A372B	
495		A372C	
540		A377A	
585		A377B	
630		A380Z	
675		A381Z	
720		A398Z	
765		A403Z	
810		A409A	
855		A418A	
900		A419Z	

Field Value	Description	NATO Reporting Name	Commercial Designation
945		A429Z	
990		A432Z	
1035		A434Z	
1080		A401A	
1095	AA-12 Seeker		
1100	Agave		
1125	AGRION 15		
1170	AI MK 23		
1215	AIDA II		
1260	Albatros MK2		
1280	1L13-3 (55G6)	Box Spring	
1282	1L13-3 (55G6)	Box Spring B	
1305	ANA SPS 502		
1350	ANRITSU Electric AR-30A		
1395	Antilope V		
1400	AN/ALE-50		
1440	AN/ALQ 99		
1485	AN/ALQ-100		
1530	AN/ALQ-101		
1575	AN/ALQ-119		
1585	AN/ALQ-122		
1620	AN/ALQ-126A		
1626	AN/ALQ-131		
1628	AN/ALQ-135C/D		
1630	AN/ALQ-144A(V)3		
1632	AN/ALQ-153		
1634	AN/ALQ-155		
1636	AN/ALQ-161/A		
1638	AN/ALQ-162		
1640	AN/ALQ-165		
1642	AN/ALQ-167		
1644	AN/ALQ-172(V)2		
1646	AN/ALQ-176		
1648	AN/ALQ-184		
1650	AN/ALQ-188		
1652	AN/ALR-56		
1654	AN/ALR-69		

Field Value	Description	NATO Reporting Name	Commercial Designation
1656	AN/ALT-16A		
1658	AN/ALT-28		
1660	AN/ALT-32A		
1665	AN/APD 10		
1710	AN/APG 53		
1755	AN/APG 59		
1800	AN/APG-63		
1805	AN/APG-63(V)1		
1807	AN/APG-63(V)2		
1809	AN/APG-63(V)3		
1845	AN/APG 65		
1870	AN/APG-66		
1890	AN/APG 68		
1935	AN/APG 70		
1945	AN/APG-73		
1960	AN/APG-77		
1970	AN/APG-78		
1980	AN/APG-502		
2025	AN/APN-1		
2070	AN/APN-22		
2115	AN/APN 59		
2160	AN/APN-69		
2205	AN/APN-81		
2250	AN/APN-117		
2295	AN/APN-118		
2340	AN/APN-130		
2385	AN/APN-131		
2430	AN/APN-133		
2475	AN/APN-134		
2520	AN/APN-147		
2565	AN/APN-150		
2610	AN/APN-153		
2655	AN/APN 154		
2700	AN/APN-155		
2745	AN/APN-159		
2790	AN/APN-182		
2835	AN/APN-187		
2880	AN/APN-190		

Field Value	Description	NATO Reporting Name	Commercial Designation
2925	AN/APN 194		
2970	AN/APN-195		
3015	AN/APN-198		
3060	AN/APN-200		
3105	AN/APN 202		
3150	AN/APN-217		
3152	AN/APN-218		
3160	AN/APN-238		
3162	AN/APN-239		
3164	AN/APN-241		
3166	AN/APN-242		
3195	AN/APN-506		
3240	AN/APQ-72		
3285	AN/APQ-99		
3330	AN/APQ 100		
3375	AN/APQ-102		
3420	AN/APQ-109		
3465	AN/APQ 113		
3510	AN/APQ 120		
3555	AN/APQ 126		
3600	AN/APQ-128		
3645	AN/APQ-129		
3690	AN/APQ 148		
3735	AN/APQ-153		
3780	AN/APQ 159		
3785	AN/APQ-164		
3788	AN/APQ-166		
3795	AN/APQ-181		
3820	AN/APS-31		
3825	AN/APS-42		
3870	AN/APS 80		
3915	AN/APS-88		
3960	AN/APS 115		
4005	AN/APS 116		
4050	AN/APS-120		
4095	AN/APS 121		
4140	AN/APS 124		
4185	AN/APS 125		



Field Value	Description	NATO Reporting Name	Commercial Designation
4230	AN/APS-128		
4275	AN/APS 130		
4320	AN/APS 133		
4365	AN/APS-134		
4410	AN/APS 137		
4455	AN/APS-138		
4465	AN/APS-143 (V) 1		
4500	AN/APW 22		
4545	AN/APW 23		
4590	AN/APX-6		
4635	AN/APX 7		
4680	AN/APX 39		
4725	AN/APX-72		
4770	AN/APX 76		
4815	AN/APX 78		
4860	AN/APX 101		
4870	AN/APX-113 AIFF		
4900	AN/APY-1		
4905	AN/APY 2		
4950	AN/APY 3		
4953	AN/APY-8		LYNX(tm)
4995	AN/ARN 21		
5040	AN/ARN 52		
5085	AN/ARN 84		
5130	AN/ARN 118		
5175	AN/ARW 73		
5220	AN/ASB 1		
5265	AN/ASG 21		
5280	AN/ASQ-108		
5310	AN/AWG 9		
5355	AN/BPS-9		
5400	AN/BPS 15		
5405	AN/BPS-16		
5420	AN/CRM-30		
5430	AN/DPW-23		
5445	AN/DSQ 26 Phoenix MH		
5490	AN/DSQ 28 Harpoon MH		
5495	AN/FPN-40		

Field Value	Description	NATO Reporting Name	Commercial Designation
5500	AN/FPN-62		
5505	AN/FPS-16		
5507	AN/FPS-18		
5508	AN/FPS-89		
5510	AN/FPS-117		
5515	AN/FPS-20R		
5520	AN/FPS-77		
5525	AN/FPS-103		
5527	AN/GPN-12		
5530	AN/GPX-6		
5535	AN/GPX 8		
5537	AN/GRN-12		
5540	AN/MPQ-10		
5545	AN/MPQ-33/39/46/57/61 (HPIR) ILL		
5550	AN/MPQ-34/48/55/62 (CWAR) TA		
5551	AN/MPQ-49		
5555	AN/MPQ-35/50 (PAR) TA		
5560	AN/MPQ-37/51 (ROR) TT		
5570	AN/MPQ-53		
5571	AN/MPQ-63		
5575	AN/MPQ-64		
5580	AN/SPG-34		
5625	AN/SPG 50		
5670	AN/SPG 51		
5715	AN/SPG-51 CWI TI		
5760	AN/SPG-51 FC		
5805	AN/SPG 52		
5850	AN/SPG-53		
5895	AN/SPG 55B		
5940	AN/SPG 60		
5985	AN/SPG 62		
6030	AN/SPN 35		
6075	AN/SPN 43		
6120	AN/SPQ-2		
6165	AN/SPQ 9		

Field Value	Description	NATO Reporting Name	Commercial Designation
6210	AN/SPS-4		
6255	AN/SPS-5		
6300	AN/SPS-5C		
6345	AN/SPS-6		
6390	AN/SPS 10		
6435	AN/SPS 21		
6480	AN/SPS-28		
6525	AN/SPS-37		
6570	AN/SPS-39A		
6615	AN/SPS 40		
6660	AN/SPS-41		
6705	AN/SPS-48		
6750	AN/SPS-48C		
6752	AN/SPS-48E		
6795	AN/SPS-49		
6796	AN/SPS-49(V)1		
6797	AN/SPS-49(V)2		
6798	AN/SPS-49(V)3		
6799	AN/SPS-49(V)4		
6800	AN/SPS-49(V)5		
6801	AN/SPS-49(V)6		
6802	AN/SPS-49(V)7		
6803	AN/SPS-49(V)8		
6804	AN/SPS-49A(V)1		
6840	AN/SPS 52		
6885	AN/SPS 53		
6930	AN/SPS 55		
6975	AN/SPS-55 SS		
7020	AN/SPS-58		
7065	AN/SPS 59		
7110	AN/SPS 64		
7155	AN/SPS 65		
7200	AN/SPS 67		
7245	AN/SPY-1		
7250	AN/SPY-1A		
7252	AN/SPY-1B		
7253	AN/SPY-1B(V)		
7260	AN/SPY-1D		

Field Value	Description	NATO Reporting Name	Commercial Designation
7261	AN/SPY-1D(V)		
7265	AN/SPY-1F		
7270	AN/TPN-17		
7275	AN/TPN-24		
7280	AN/TPQ-18		
7295	AN/TPQ-36		
7300	AN/TPQ-37		
7301	AN/TPQ-38 (V8)		
7303	AN/TPQ-47		
7305	AN/TPS-43		
7310	AN/TPS-43E		
7315	AN/TPS-59		
7320	AN/TPS-63		
7322	AN/TPS-70 (V) 1		
7325	AN/TPS-75		
7330	AN/TPX-46(V)7		
7335	AN/ULQ-6A		
7380	AN/UPN 25		
7425	AN/UPS 1		
7426	AN/UPS-2		
7470	AN/UPX 1		
7515	AN/UPX 5		
7560	AN/UPX 11		
7605	AN/UPX 12		
7650	AN/UPX 17		
7695	AN/UPX 23		
7740	AN/VPS 2		
7785			Apelco AD 7 7
7830	APG 71		
7875	APN 148		
7920	APN 227		
7965	(Deleted)		
8010	(Deleted)		
8055	(Deleted)		
8100	APS 504 V3		
8105	AR 3D		
8112			Plessey AR-5
8115	AR 320		

Field Value	Description	NATO Reporting Name	Commercial Designation
8120	AR 327		
8145	AR M31		
8190	ARI 5954		
8235	ARI 5955		
8280	ARI 5979		
8325			ARINC 564 BNDX/KING RDR 1E
8370			ARINC 700 BNDX/KING RDR 1E
8375	ARK-1		
8380	ARSR-3		
8390	ARSR-18		
8415		AS 2 Kipper	
8460		AS 2 Kipper MH	
8505		AS 4 Kitchen	
8550		AS 4 Kitchen MH	
8595		AS 5 Kelt MH	
8640		AS 6 Kingfish MH	
8685		AS 7 Kerry	
8730		AS 7 Kerry MG	
8735		AS 15 KENT altimeter	
8760	Aspide AAM/SAM ILL		
8772	ASR-4		
8775	ASR O		
8780	ASR-5		
8782	ASR-7		
8785	ASR-8		
8790	ASR-9		
8812			Raytheon ASR-10SS
8820		AT 2 Swatter MG	
8840	ATCR-33		
8845	ATCR 33 K/M		
8865			Atlas Elektronik TRS N
8870	ATLAS-9740 VTS		
8910	AVG 65		
8955	AVH 7		
9000	AVQ 20		
9045	AVQ30X		

Field Value	Description	NATO Reporting Name	Commercial Designation
9075	AVQ-50 (RCA)		
9090	AVQ 70		
9135	AWS 5		
9180	AWS 6		
9200	B597Z		
9205	B636Z		
9225		Back Net A B	
9270		Back Trap	
9310	BALTYK		
9315		Ball End	
9360		Ball Gun	
9405		Band Stand	
9450	P-35/37 ("A"); P-50 ("B")	Bar Lock	
9495		Bass Tilt	
9540		Beacon	
9585		Bean Sticks	
9630		Bee Hind	
9640		Bell Crown A	
9642		Bell Crown B	
9645		BIG BACK	
9660		Big Bird	
9675		Big Bulge	
9720		Big Bulge A	
9765		Big Bulge B	
9780	SNAR-10	Big Fred	
9810		Big Mesh	
9855		Big Net	
9885	9S15MT	Bill Board	
9900		Bill Fold	
9905	Blowpipe MG		
9930	Blue Fox	Sea Harrier FRS Mk 1/5	
9935	Blue Vixen	Sea Harrier F/A Mk 2	
9945	Blue Silk		
9990	Blue Parrot		
10035	Blue Orchid		
10080		Boat Sail	
10125			Bofors Electronic 9LV 331

Field Value	Description	NATO Reporting Name	Commercial Designation
10170			Bofors Ericsson Sea Giraffe 50 HC
10215		Bowl Mesh	
10260		Box Brick	
10305		Box Tail	
10350	BPS 11A		
10395	BPS 14		
10440	BPS 15A		
10485	BR-15 Tokyo KEIKI		
10510			BRIDGEMASTE
10530		Bread Bin	
10575	BT 271		
10620	BX 732		
10665		Buzz Stand	
10710	C 5A Multi Mode Radar		
10755	Caiman		
10800		Cake Stand	
10845	Calypso C61		
10890	Calypso Ii		
10895			Cardion Coastal
10935	Castor Ii		
10940	Castor 2J TT (Crotale NG)		
10980		Cat House	
10985	CDR-431		
11000		Chair Back TT	
11010		Chair Back ILL	
11025		Cheese Brick	
11070	Clam Pipe		
11115		Clamshell	
11160			Collins WXR-700X
11205			Collins DN 101
11250			Contraves Sea Hunter MK 4
11260		Corn Can	
11270	CR-105 RMCA		
11295		Cross Bird	
11340		Cross Dome	
11385		Cross Legs	

Field Value	Description	NATO Reporting Name	Commercial Designation
11430		Cross Out	
11475		Cross Slot	
11520		Cross Sword	
11565		Cross Up	
11610		Cross Sword FC	
11655	Crotale Acquisition TA		THD-5000
11660	Crotale NG TA		Griffon
11665	Crotale TT		
11700	Crotale MG Missile System		
11745	CSS C 3C CAS 1M1 M2 MH		
11790	CSS C 2B HY 1A MH		
11835	CWS 2		
11880		Cylinder Head	
11925	Cyrano II		
11970	Cyrano IV		
11975	Cyrano IV-M		
12010	DA-01/00		
12015	DA 05 00		
12060		Dawn	
12105		Dead Duck	
12110			DECCA-20 V90/9
12111			DECCA-20 V90S
12150			DECCA 45
12195			DECCA 50
12240			DECCA 110
12285			DECCA 170
12292			DECCA HF 2
12330			DECCA 202
12375			DECCA D202
12420			DECCA 303
12430			DECCA 535
12465			DECCA 626
12510			DECCA 629
12555			DECCA 914
12600			DECCA 916
12610			DECCA 926



Field Value	Description	NATO Reporting Name	Commercial Designation
12645			DECCA 1226 Commercial
12690			DECCA 1626
12735			DECCA 2459
12780			DECCA AWS 1
12782			DECCA AWS 2
12785			DECCA AWS 4
12787			DECCA AWS-4 (2)
12800			DECCA MAR
12805			DECCA RM 326
12825			DECCA RM 416
12870			DECCA RM 914
12915			DECCA RM 1690
12960			DECCA Super 101 MK 3
13005	DISS 1		
13050	Rapier TTDN 181		DN 181
13055	Rapier 2000 TT		BLINDFIRE FSC TT
13095		Dog Ear	
13140		Dog House	
13185	Don 2		
13230		Don A/B/2/Kay	
13275		Donets	
13320		Down Beat	
13365	DRAA 2A		
13410	DRAA 2B		
13455	DRAC 39		
13500	DRBC 30B		
13545	DRBC 31A		
13590	DRBC 32A		
13635	DRBC 32D		
13680	DRBC 33A		
13725	DRBI 10		
13770	DRBI 23		
13815	DRBJ 11B		
13860	DRBN 30		
13905	DRBN 32		
13950	DRBR 51		
13995	DRBV 20B		

Field Value	Description	NATO Reporting Name	Commercial Designation
14040	DRBV 22		
14085	DRBV 26C		
14130	DRBV 30		
14175	DRBV 50		
14220	DRBV 51		
14265	DRBV 51A		
14310	DRBV 51B		
14355	DRBV 51C		
14400	Drop Kick		
14445	DRUA 31		
14490		Drum Tilt	
14535		Drum Tilt A	
14545		Drum Tilt B	
14580		Dumbo	
14600	ECR-90		
14625		Egg Cup A/B	
14670	EKCO 190		
14715	EL M 2001B		
14760	EL M 2207		
14770		EL/M 2216(V)	
14805	ELTA EL/M 2221 GM STGR		
14810	ELTA SIS		
14850	EMD 2900		
14895		End Tray	
14940	Exocet 1		
14985	Exocet 1 MH		
15030	Exocet 2		
15075		Eye Bowl	
15120		Eye Shield	
15140		F332Z	
15160	FALCON		
15165		Fan Song A	
15200		Fan Song B/F TA	
15210		Fan Song B/F TT	
15220		Fan Song C/E TA	
15230		Fan Song C/E TT	
15240		Fan Song C/E MG	

Field Value	Description	NATO Reporting Name	Commercial Designation
15255		Fan Song B/FF MG	
15300		Fan Tail	
15310	FCR-1401		
15345		Fin Curve	
15390		Fire Can	
15435		Fire Dish	
15470		Fire Dome TA	
15475		Fire Dome TT	
15480		Fire Dome TI	
15525		Fire Iron	
15570		Fire Wheel	
15615		Fish Bowl	
15660		Flap Lid	
15705		Flap Truck	
15750		Flap Wheel	
15795		Flash Dance	
15840	P-15	Flat Face A B C D	
15885		Flat Screen	
15930		Flat Spin	
15975		Flat Twin	
16020	Fledermaus		
16030		FLYCATCHER	
16065		Fly Screen	
16110		Fly Screen A&B	
16155		Fly Trap B	
16200		Fog Lamp MG	
16245		Fog Lamp TT	
16290		Foil Two	
16335	Fox Hunter		
16380		FOX FIREFox Fire AL	
16390		FOX FIRE ILL	
16400	FR-151A		
16410	FR-1505 DA		
16420	FR-2000		
16421	FR-2855W		
16425		Front Dome	
16470		Front Door	
16515		Front Piece	

Field Value	Description	NATO Reporting Name	Commercial Designation
16560	Furuno		
16561	Furuno 1721		
16605	Furuno 701		
16650	Furuno 711 2		
16695	Furuno 2400		
16740	GA 01 00		
16785		Gage	
16830		Garpin	
16875	GEM BX 132		
16880	MPDR-12	Gepard TA	
16884		Gepard TT	
16888	GERAN-F		
16900	GIRAFFE		
16915		Gin Sling TA	
16920	Gin Sling	Gin Sling TT	
16925		Gin Sling MG	
16945	GPN-22		
16950	GRN-9		
16965	Green Stain		
17010		Grid Bow	
17025	9S32	GRILL PAN TT	
17055	Guardsman		
17070	RPK-2	GUN DISH (ZSU-23/4)	
17100		Hair Net	
17145		Half Plate A	
17190		Half Plate B	
17220	HARD		
17235		Hawk Screech	
17280		Head Light A	
17325		Head Lights	
17370		Head Lights C	
17415		Head Lights MG A	
17460		Head Lights MG B	
17505		Head Lights TT	
17550		Head Net	
17595		Hen Egg	
17640		Hen House	
17685		Hen Nest	

Field Value	Description	NATO Reporting Name	Commercial Designation
17730		Hen Roost	
17775		High Brick	
17820		High Fix	
17865		High Lark TI	
17910		High Lark 1	
17955		High Lark 2	
18000		High Lark 4	
18045		High Lune	
18090		High Pole A&B	
18135		High Scoop	
18150	9S19MT	HIGH SCREEN	
18180		High Sieve	
18200	HN-503		
18225		Home Talk	
18270		Horn Spoon	
18280		HOT BRICK	
18315		Hot Flash	
18320	IRL144M	Hot Shot TA	
18325	IRL144M	Hot Shot TT	
18330	IRL144M	Hot Shot MG	
18360	IFF MK XII AIMS UPX 29		
18405	IFF MK XV		
18410	Javelin MG		
18450		Jay Bird	
18460	JRC-NMD-401		
18495	Jupiter		
18540	Jupiter II		
18550	JY-8		
18555	JY-9		
18560	JY-14		
18585		K376Z	
18630			Kelvin Hughes 2A
18675			Kelvin Hughes 14/9
18720			Kelvin Hughes type 1006
18765			Kelvin Hughes type 1007
18785	KH-902M		
18810		Kite Screech	

Field Value	Description	NATO Reporting Name	Commercial Designation
18855		Kite Screech A	
18900		Kite Screech B	
18945		Kivach	
18990		Knife Rest	
19035	P-10	Knife Rest B	
19037		KNIFE REST C	
19050	KR-75		
19080	KSA SRN		
19125	KSA TSR		
19170		Land Fall	
19215		Land Roll MG	
19260		Land Roll TA	
19305		Land Roll TT	
19310	LC-150		
19350		Leningraf	
19395		Light Bulb	
19400	LMT NRAI-6A		
19440	LN 55		
19485		Ln 66	
19530		Long Bow	
19575		Long Brick	
19620		Long Bull	
19665		Long Eye	
19710		Long Head	
19755		Long Talk	
19800		Long Track	
19845		Long Trough	
19890		Look Two	
19935	LORAN		
19950		Low Blow TA	
19955		Low Blow TT	
19960		Low Blow MG	
19980		Low Sieve	
20025		Low Trough	
20040	TRS-2050		LP-23
20070	LW 08		
20090		M-1983 FCR	
20115	M22-40		

Field Value	Description	NATO Reporting Name	Commercial Designation
20160	M44		
20205		M401Z	
20250		M585Z	
20295		M588Z	
20340	MA 1 IFF Portion		
20360		MARELD	
20385			MA Type 909#
20430			Marconi 1810
20475			Marconi Canada HC 75
20495			Marconi S 713
20520			Marconi S 1802
20530			Marconi S247
20565			Marconi S 810
20585			Marconi SA 10
20610			Marconi type 967
20655			Marconi type 968
20700			Marconi type 992
20745			Marconi/signaal type 1022
20790			Marconi/signaal type 910
20835			Marconi/signaal type 911
20880			Marconi/signaal type 992R
20925		Mesh Brick	
20950	Mirage ILL		
20970			MK 15 CIWS
21015	MK-23		
21060	MK 23 TAS		
21105	MK 25		
21150	MK-35 M2		
21195	MK 92		
21240	MK-92 CAS		
21285	MK-92 STIR		
21330	MK 95		
21340	MLA-1		
21375	MM APS 705		
21420	MM SPG 74		
21465	MM SPG 75		

Field Value	Description	NATO Reporting Name	Commercial Designation
21490	MM SPN 703		
21510	MM SPS 702		
21555	MM SPS 768		
21600	MM SPS 774		
21645	Moon 4		
21650		MMRS	
21690	MPDR 18 X		
21710	MT-305X		
21735		Muff Cob	
21780	Mushroom		
21825	Mushroom 1		
21870	Mushroom 2		
21880	N920Z		
21890		Nanjing B	
21895		Nanjing C	
21915	Nayada		
21960	Neptun		
21980		NIKE TT	
22005	NRBA 50		
22050	NRBA 51		
22095	NRBF 20A		
22140		Nysa B	
22185		O524A	
22230		O580B	
22275		O625Z	
22320		O626Z	
22345		Odd Group	
22365		Odd Lot	
22410		Odd Pair	
22455		Oka	
22500	OKEAN		
22545	OKINXE 12C		
22590	OMEGA		
22635	Omera ORB32		
22680		One Eye	
22690	OP-28		
22725	OPS-16B		
22730	OPS-18		



Field Value	Description	NATO Reporting Name	Commercial Designation
22740	OPS-28		
22770		OR-2	
22810	ORB-31S		
22815	ORB 32		
22860	Orion Rtn 10X		
22905	Otomat MK II Teseo		
22950		Owl Screech	
22955	P360Z		
22960	PA-1660		
22995		Palm Frond	
23040		Palm Frond AB	
23085		Pat Hand TT	
23095		Pat Hand MG	
23130		Patty Cake	
23175		Pawn Cake	
23220	PBR 4 Rubin		
23265		Pea Sticks	
23310		Peel Cone	
23355		Peel Group	
23400		Peel Group A	
23445		Peel Group B	
23490		Peel Pair	
23535			Philips 9LV 200
23580			Philips 9LV 331
23625			Philips LV 223
23670			Philips Sea Giraffe 50 HC
23690		Pin Jib	
23710		Plank Shad	
23715		Plank Shave	
23760		Plank Shave A	
23805		Plank Shave B	
23850		Plate Steer	
23895			Plessey AWS 1
23940			Plessey AWS 4
23985			Plessey AWS 6
23990			Plessey RJ
24030			Plessey type 996
24075		Plinth Net	

Field Value	Description	NATO Reporting Name	Commercial Designation
24095		Pluto	
24100	POHJANPALO		
24120	POLLUX		
24165		Pop Group	
24210		Pop Group MG	
24255		Pop Group TA	
24300		Pop Group TT	
24345		Pork Trough	
24390		Post Bow	
24435		Post Lamp	
24480		Pot Drum	
24525		Pot Head	
24570	PRIMUS 40 WXD		
24615	PRIMUS 300SL		
24620			Primus 3000
24650	PS-05A		
24660	PS 46 A		
24705	PS 70 R		
24710	PS-890		
24750		Puff Ball	
24770	R-76		
24780			RAC-30
24795			Racal 1229
24840			Racal AC 2690 BT
24885			Racal Decca 1216
24930			Racal Decca 360
24975			Racal Decca AC 1290
25020			Racal Decca TM 1229
25065			Racal Decca TM 1626
25110			Racal DRBN 34A
25155			Radar 24
25200	RAN 7S		
25205	RAN 10S		
25245	RAN 11 LX		
25260	Rapier TA		
25265	Rapier 2000 TA		Dagger
25270	Rapier MG		
25280	RAT-31S		

Field Value	Description	NATO Reporting Name	Commercial Designation
25285	RATAC (LCT)		
25290			Raytheon 1220
25300			Raytheon 1302
25335			Raytheon 1500
25380			Raytheon 1645
25425			Raytheon 1650
25470			Raytheon 1900
25515			Raytheon 2502
25560			Raytheon TM 1650/6X
25605			Raytheon TM 1660/12S
25630	RAY-1220XR		
25635			RAY-1401
25650			Ray 2900
25695			Raypath
25735	RBE2		
25740	RDM		
25760	RDY		
25785	RDN 72		
25830	RDR 1A		
25835	RDR 1E		
25840	RDR 4A		
25875	RDR 1200		
25885	RDR 1400		
25890	RDR 1400 C		
25895	RDR 1500		
25920		Rice Lamp	
25965		Rice Pad	
26010		Rice Screen	
26055	ROLAND BN		
26100	ROLAND MG		
26145	ROLAND TA		
26190	ROLAND TT		
26235		Round Ball	
26280		Round House	
26325		Round House B	
26330	RT-02/50		
26350	RTN-1A		
26370	RV2		

Field Value	Description	NATO Reporting Name	Commercial Designation
26415	RV3		
26460	RV5		
26505	RV10		
26550	RV17		
26595	RV18		
26610	RV-377		
26640	RV UM		
26660			RXN 2-60
26670	S-1810CD		
26685		SA 2 Guideline	
26730		SA 3 Goa	
26775		SA 8 Gecko DT	
26795		SA-12 TELAR ILL	
26820		SA N 7 Gadfly TI	
26865		SA N 11 Cads 1 UN	
26910		Salt Pot A&B	
26955	SATURNE II		
27000		Scan Can	
27045		Scan Fix	
27090		Scan Odd	
27135		Scan Three	
27140	SCANTER (CSR)		
27141	SCORADS		
27150		SCOREBOARD	
27180		Scoup Plate	
27190	SCR-584		
27225	Sea Archer 2		
27270	Sea Hunter 4 MG		
27315	Sea Hunter 4 TA		
27360	Sea Hunter 4 TT		
27405		Sea Gull	
27450		Sea Net	
27495	Sea Spray		
27540	Sea Tiger		
27570	Searchwater		
27585			Selenia Orion 7
27630			Selenia type 912
27675			Selennia RAN 12 L/X

Field Value	Description	NATO Reporting Name	Commercial Designation
27720			Selennia RTN 10X
27765			Selinia ARP 1645
27810	SGR 102 00		
27855	SGR 103/02		
27870	SGR-104		
27900		Sheet Bend	
27945		Sheet Curve	
27990		Ship Globe	
28035		Ship Wheel	
28080	SGR 114		
28125		Shore Walk A	
28170		Short Horn	
28215		Shot Dome	
28260		Side Globe JN	
28280	PRV-11	Side Net	
28305		Side Walk A	
28350			Signaal DA 02
28395			Signaal DA 05
28440			Signaal DA 08
28485			Signaal LW 08
28530			Signaal LWOR
28575			Signaal M45
28620			Signaal MW 08
28665			Signaal SMART
28710			Signaal STING
28755			Signaal STIR
28800			Signaal WM 20/2
28845			Signaal WM 25
28890			Signaal WM 27
28935			Signaal WM 28
28980			Signaal ZW 01
29025			Signaal ZW 06
29070		Ski Pole	
29115		Skin Head	
29160		Skip Spin	
29185	SKYGUARD TA		UAR-1021
29190	SKYGUARD TT		UAR-1021
29205		Sky Watch	

Field Value	Description	NATO Reporting Name	Commercial Designation
29215			SKYSHADOW
29220	SKYSHIELD TA		
29250	SL		
29270	SL/ALQ-234		
29295		Slap Shot E	
29340		Slim Net	
29385		Slot Back A	
29400		Slot Back ILL	
29430		Slot Back B	
29440		Slot Rest	
29475			SMA 3 RM
29520			SMA 3 RM 20
29565			SMA 3RM 20A/SMG
29610			SMA BPS 704
29655			SMA SPIN 749 (V) 2
29700			SMA SPN 703
29745			SMA SPN 751
29790			SMA SPOS 748
29835			SMA SPQ 2
29880			SMA SPQ 2D
29925			SMA SPQ 701
29970			SMA SPS 702 UPX
30015			SMA ST 2 OTOMAT II MH
30060			SMA 718 Beacon
30080		SNAP SHOT	
30105		Snoop Drift	
30150		Snoop Head	
30195		Snoop Pair	
30240		Snoop Plate	
30285		Snoop Slab	
30330		Snoop Tray	
30375		Snoop Tray 1	
30420		Snoop Tray 2	
30465		Snoop Watch	
30470	9S18M1	Snow Drift	
30510	SO-1		
30520	SO-12		

Field Value	Description	NATO Reporting Name	Commercial Designation
30555	SO A Communist		
30580	SO-69		
30600		Sock Eye	
30645	SOM 64		
30670		SPADA TT	
30690	Sparrow (AIM/RIM-7) ILL		
30700			Sperry M-3
30735	SPG 53F		
30780	SPG 70 (RTN 10X)		
30825	SPG 74 (RTN 20X)		
30870	SPG 75 (RTN 30X)		
30915	SPG 76 (RTN 30X)		
30960		Spin Scan A	
31005		Spin Scan B	
31050		Spin Trough	
31095		Splash Drop	
31140	SPN 35A		
31185	SPN 41		
31230	SPN 42		
31275	SPN 43A		
31320	SPN 43B		
31365	SPN 44		
31410	SPN 46		
31455	SPN 703		
31500	SPN 728 (V) 1		
31545	SPN 748		
31590	SPN 750		
31635		Sponge Cake	
31680	P-12	Spoon Rest	
31681	P-18	Spoon Rest A	
31682	P-18	Spoon Rest B	
31684	P-18	Spoon Rest D	
31725	SPQ 712 (RAN 12 L/X)		
31770	SPS 6C		
31815	SPS 10F		
31860	SPS 12		
31905	SPS 58(Deleted)		

Field Value	Description	NATO Reporting Name	Commercial Designation
31950	SPS 64(Deleted)		
31995	SPS 768 (RAN EL)		
32040	SPS 774 (RAN 10S)		
32085	SPY 790		
32130		Square Head	
32175		Square Pair	
32220		Square Slot	
32265		Square Tie	
32310		Squash Dome	
32330	P-15M	Squat Eye	
32355		Squint Eye	
32400	SRN 6		
32445	SRN 15		
32490	SRN 745		
32535	SRO 1		
32580	SRO 2		
32625		SS C 2B Samlet MG	
32670		SS N 2A B CSSC	
32715		SS N 2A B CSSC 2A 3A2 MH	
32760		SS N 2C Seeker	
32805		SS N 2C D Styx	
32850		SS N 2C D Styx C D MH	
32895		SS N 3 SSC SS C 18 BN	
32940		SS N 3B Sepal AL	
32985		SS N 3B Sepal MH	
33030		SS N 9 Siren	
33075		SS N 9 Siren AL	
33120		SS N 9 Siren MH	
33165		SS N 12 Sandbox AL	
33210		SS N 12 Sandbox MH	
33255		SS N 19 Shipwreck	
33300		SS N 19 Shipwreck AL	
33345		SS N 19 Shipwreck MH	
33390		SS N 21 AL	
33435		SS N 22 Sunburn	
33480		SS N 22 Sunburn MH	
33525		Stone Cake	



Field Value	Description	NATO Reporting Name	Commercial Designation
33570	STR 41		
33590		Straight Flush TA	
33595		Straight Flush TT	
33600		Straight Flush ILL	
33615		Strike Out	
33660		Strut Curve	
33705		Strut Pair	
33750		Strut Pair 1	
33795		Strut Pair 2	
33840		Sun Visor	
33860	Superfledermaus		
33885		Swift Rod 1	
33930		Swift Rod 2	
33975		T1166	
34020		T1171	
34040		T1202	
34065		T6004	
34110		T6031	
34155		T8067	
34200		T8068	
34245		T8124	
34290		T8408	
34335		T8911	
34380		T8937	
34425		T8944	
34470		T8987	
34515	P-14	Tall King	
34560		Tall Mike	
34605		Tall Path	
34625		Team Work	
34640	THAAD GBR		
34650	THD 225		
34670	THD 1940		Picador
34695	THD 5500		
34740		Thin Path	
34785	PRV-9	Thin Skin	
34795			Thompson CSF TA-10

Field Value	Description	NATO Reporting Name	Commercial Designation
34830			Thompson CSF TH D 1040 Neptune
34875			Thompson CSF Calypso
34920			Thompson CSF CASTOR
34965			Thompson CSF Castor II
35010			Thompson CSF DRBC 32A
35055			Thompson CSF DRBJ 11 D/E
35100			Thompson CSF DRBV 15A
35145			Thompson CSF DRBV 15C
35190			Thompson CSF DRBV 22D
35235			Thompson CSF DRBV 23B
35280			Thompson CSF DRUA 33
35325			Thompson CSF Mars DRBV 21A
35370			Thompson CSF Sea Tiger
35415			Thompson CSF Triton
35460			Thompson CSF Vega with DRBC 32E
35480	TRS-2105		TIGER-G
35490	TRS-2100		TIGER-S
35505		Tie Rods	
35550	36D6	Tin Shield	
35570		Tin Trap	
35580	TIRSPONDER		
35595		Toad Stool 1	
35640		Toad Stool 2	
35685		Toad Stool 3	
35730		Toad Stool 4	
35775		Toad Stool 5	
35800		Tomb Stone	
35820		Top Bow	
35865		Top Dome	
35910		Top Knot	
35955		Top Mesh	

Field Value	Description	NATO Reporting Name	Commercial Designation
36000		Top Pair	
36045		Top Plate	
36090		Top Sail	
36135		Top Steer	
36180		Top Trough	
36220		Scrum Half TA	
36225		TorScrum Half TT	Tor
36230		Scrum Half MG	
36270		Track Dish	
36315	TORSO M		
36360		Trap Door	
36380	TRISPONDE		
36405	TRS 3033		
36420	TRS 3405		
36425	TRS 3410		
36430	TRS 3415		
36450	TRS-N		
36495	TSE 5000		
36540	TSR 333		
36585		Tube Arm	
36630		Twin Eyes	
36675		Twin Pill	
36720		Twin Scan	
36765		Twin Scan Ro	
36810		Two Spot	
36855	TYPE 262		
36900	TYPE 275		
36945	TYPE 293		
36990	TYPE 343 SUN VISOR B		
37035	TYPE 347B		
37050	Type-404A(CH)		
37080	Type 756		
37125	TYPE 903		
37170	TYPE 909 TI		
37215	TYPE 909 TT		
37260	TYPE 910		
37265	TYPE-931(CH)		
37305	TYPE 965		

Field Value	Description	NATO Reporting Name	Commercial Designation
37350	TYPE 967		
37395	TYPE 968		
37440	TYPE 974		
37485	TYPE 975		
37530	TYPE 978		
37575	TYPE 992		
37620	TYPE 993		
37665	TYPE 994		
37710	TYPE 1006(1)		
37755	TYPE 1006(2)		
37800	TYPE 1022		
37845	UK MK 10		
37850	UPS-220C		
37890	UPX 1 10		
37935	UPX 27		
37980	URN 20		
38025	URN 25		
38045	VOLEX III/IV		
38070	W8818		
38115	W8838		
38120	W8852		
38160	WAS-74S		
38205		Wasp Head	
38210	WATCHDOG		
38250		Watch Guard	
38260	Watchman		
38295			Western Electric MK 10
38320			Westinghouse ADR-4 LRSR
38340			Westinghouse Electric SPG 50
38385			Westinghouse Electric W 120
38430			Westinghouse SPS 29C
38475			Westinghouse SPS 37
38520	Wet Eye		
38565	Wet Eye Mod		
38570	WGU-41/B		
38572	WGU-44/B		

Field Value	Description	NATO Reporting Name	Commercial Designation
38610		Whiff	
38655		Whiff Brick	
38700		Whiff Fire	
38715		WHITE HOUSE	
38745	Wild Card		
38790		Witch Eight	
38835		Witch Five	
38880	WM2X Series		
38925	WM2X Series CAS		
38950	WSR-74C		
38955	WSR-74S		
38970		Wood Gage	
39015		Yard Rake	
39060		Yew Loop	
39105		Yo-Yo	
39150	(Deleted)		

#### 8.1.1.2. Acoustic emitters

Field Value	Description	NATO Reporting Name	Commercial Designation
40020	(Unused)		

#### 8.1.1.3. Acoustic emitters

Field Value	Description	NATO Reporting Name	Commercial Designation
62020	(Unused)		

### 8.1.2. Function

This section specifies the 8-bit enumeration for the Function field in the Emitter-System record of the Electromagnetic Emission PDU.

Field Value	Description
0	Other
1	Multi-function

Field Value	Description
2	Early Warning/Surveillance
3	Height Finding
4	Fire Control
5	Acquisition/Detection
6	Tracking
7	Guidance/Illumination
8	Firing point/launch point location
9	Ranging
10	Radar Altimeter
11	Imaging
12	Motion Detection
13	Navigation
14	Weather / Meteorological
15	Instrumentation
16	Identification/Classification (including IFF)
17	AAA (Anti-Aircraft Artillery) Fire Control
18	Air Search/Bomb
19	Air Intercept
20	Altimeter
21	Air Mapping
22	Air Traffic Control
23	Beacon
24	Battlefield Surveillance
25	Ground Control Approach
26	Ground Control Intercept
27	Coastal Surveillance
28	Decoy/Mimic
29	Data Transmission
30	Earth Surveillance
31	Gun Lay Beacon
32	Ground Mapping
33	Harbor Surveillance
34	(Deleted)
35	ILS (Instrument Landing System)
36	Ionospheric Sound
37	Interrogator
38	Barrage Jamming
39	Click Jamming
40	(Deleted)

Field Value	Description
41	Frequency Swept Jamming
42	Jamming
43	(Deleted)
44	Pulsed Jamming
45	Repeater Jamming
46	Spot Noise Jamming
47	Missile Acquisition
48	Missile Downlink
49	(Deleted)
50	Space
51	Surface Search
52	Shell Tracking
56	Television
57	Unknown
58	Video Remoting
59	Experimental or Training
60	Missile Guidance
61	Missile Homing
62	Missile Tracking
64	Jamming, noise
65	Jamming, deception
66	(Deleted)
71	Navigation/Distance Measuring Equipment
72	Terrain Following
73	Weather Avoidance
74	Proximity Fuse
75	(Deleted)
76	Radiosonde
77	Sonobuoy
78	Bathothermal Sensor
79	Towed Counter Measure
96	Weapon, non-lethal
97	Weapon, lethal

### 8.1.3. State Update Indicator

This section specifies the 8-bit enumeration for the State Update Indicator field in the Electromagnetic Emission PDU.

Field Value	Description
0	State Update
1	Changed Data Update

### 8.1.4. Beam Function

This section specifies the 8-bit enumeration for the Beam Function field in the Electromagnetic Emission PDU.

Field Value	Description
0	Other
1	Search
2	Height finder
3	Acquisition
4	Tracking
5	Acquisition and tracking
6	Command guidance
7	Illumination
8	Range only radar
9	Missile beacon
10	Missile fuze
11	Active radar missile seeker
12	Jammer
13	IFF
14	Navigational / Weather
15	Meteorological
16	Data transmission
17	Navigational directional beacon

### 8.1.5. High Density Track/Jam

This section specifies the 8-bit enumeration for the High Density Track/Jam field in the Electromagnetic Emission PDU.

Field Value	Description
0	Not Selected
1	Selected



## 8.2. Designator PDU

### 8.2.1. Code Name

This section specifies the 16-bit enumeration for the Code-Name field in the Designator PDU.

Field Value	Description
0	Other
1	(Unused)

### 8.2.2. Designator Code

This section specifies the 16-bit enumeration for the Designator-Code field in the Designator PDU.

Field Value	Description
0	Other
1	(Unused)

## 8.3. IFF/ATC/NAVAIDS PDU

The enumerations for the IFF/ATC/NAVAIDS PDU are listed by system type. There are currently no enumerations for System Type = 0 (Other) or for NAVAIDS.

For IFF Mode 1, 2, and 3 code elements, the IFF code is placed in the code elements reading right to left. For example a Mode 2 code of 2376 would be placed in the Parameter 2 code elements as follows: Code element 1 = 6, Code element 2 = 7, Code element 3 = 3 and Code element 4 = 2. The entire 16-bit Code/Status field is then passed as an unsigned integer.

### 8.3.1. System ID

#### 8.3.1.1. System Type

This section specifies the 16-bit enumeration for the System Type field in the System Identifier record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
-------------	-------------

Field Value	Description
0	Other
1	Mark X/XII/ATCRBS/Mode S Transponder
2	Mark X/XII/ATCRBS/Mode S Interrogator
3	Soviet Transponder
4	Soviet Interrogator
5	RRB Transponder

### 8.3.1.2. System Name

This section specifies the 16-bit enumeration for the System Name field in the System Identifier record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description	(Applies to System Type)
0	Other	
1	Mark X	1,2
2	Mark XII	1,2
3	ATCRBS	2
4	Soviet	3,4
5	Mode S	1,2
6	Mark X/XII/ATCRBS	1,2
7	Mark X/XII/ATCRBS/Mode S	1,2
8	ARI 5954	5
9	ARI 5983	5

### 8.3.1.3. System Mode

This section specifies the 8-bit enumeration for the System Mode field in the System Identifier record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

## 8.3.2. System Type 1 (Mark X/XII/ATCRBS/MODE S)

## Transponder)

### 8.3.2.1. System ID

#### 8.3.2.1.1. Change/Options

This section specifies the 8-bit Boolean array for the Change/Options field in the System ID record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
Change Indicator	0		
		0	No change since last report
		1	Initial report or change since last report
Alternate Mode 4	1		
		0	No
		1	Yes
Alternate Mode C	2		
		0	No
		1	Yes
	7 - 3	(Unused)	

### 8.3.2.2. Fundamental Operational Data

#### 8.3.2.2.1. System Status

This section specifies the 8-bit Boolean array for the System Status field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
System On/Off	0		
		0	Off
		1	On
Parameter 1	1		
		0	Capable
		1	Not capable

Name	Bits	Purpose	
Parameter 2	2		
		0	Capable
		1	Not capable
Parameter 3	3		
		0	Capable
		1	Not capable
Parameter 4	4		
		0	Capable
		1	Not capable
Parameter 5	5		
		0	Capable
		1	Not capable
Parameter 6	6		
		0	Capable
		1	Not capable
Operational Status	7		
		0	Operational
		1	System failed

#### 8.3.2.2.2. Parameter 1 - Mode 1 Code/Status

Name	Bits	Purpose	
Code element 1	2 - 0	0-3 octal	
Code element 2	5 - 3	0-7 octal	
	11 - 6	(Unused)	
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage

Name	Bits	Purpose	
Malfunction	15		
		0	No malfunction
		1	Malfunction

#### 8.3.2.2.3. Parameter 2 - Mode 2 Code/Status

Name	Bits	Purpose	
Code element 1	2 - 0	0-3 octal	
Code element 2	5 - 3	0-7 octal	
Code element 3	8 - 6	0-7 octal	
Code element 4	11 - 9	0-7 octal	
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

#### 8.3.2.2.4. Parameter 3 - Mode 3 Code/Status

Name	Bits	Purpose	
Code element 1	2 - 0	0-3 octal	
Code element 2	5 - 3	0-7 octal	
Code element 3	8 - 6	0-7 octal	
Code element 4	11 - 9	0-7 octal	
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		

Name	Bits	Purpose	
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.2.2.5. Parameter 4 - Mode 4 Code/Status

Name	Bits	Purpose	
Code element 1	11 - 0		
		4094 - 0	Pseudo-Crypto value
		4095	No Pseudo-Crypto value. Use Alternate Mode 4 value
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.2.2.6. Parameter 5 - Mode C Code/Status

Name	Bits	Purpose	
Negative Altitude	0		
		0	Positive altitude above mean sea level Indicator if Mode C altitude is contained in Bits 1-11
		1	Negative altitude below mean sea level Indicator if Mode C altitude is contained in Bits 1-11, or, Alternate Mode 5 if altitude Bits 1-11 = 2047.
Mode C altitude	11 - 1		

Name	Bits	Purpose	
		1260 - 0	Actual Mode C altitude in the range 0-126,000 feet in 100-foot increments (Bit 0 - Negative / Positive Indicator must be set appropriately)
		2047	Not actual Mode C altitude value. Use alternate Mode 5 (Bits 0-11 = 4095 i.e. all 1-s)
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.2.2.7. Parameter 6 - Mode S Code/Status

Name	Bits	Purpose	
	11 - 0	(Unused)	
TCAS	12		
		0	TCAS I
		1	TCAS II
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.2.2.8. Modifier

Name	Bits	Purpose	
Other	0	Value of 0	
Emergency	1		
		0	Off
		1	On
Ident/Squawk Flash	2		
		0	Off
		1	On
STI	3		
		0	No damage
		1	Damage
	7 - 4	(Unused)	

## 8.3.2.2.9. Alternate Parameter 4

Field Value	Description
0	Other
1	Valid
2	Invalid
3	No response
4 - 255	(Unused)

## 8.3.2.2.10. Information Layers

This section specifies the 8-bit Boolean array for the Information Layer Field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
	0	(Unused)	
Layer 1	12		
		0	Not Present
		1	Present
Layer 2	13		
		0	Not Present



Name	Bits	Purpose	
		1	Present
	7 - 3	(Unused)	

### 8.3.2.3. Layer Header

#### 8.3.2.3.1. Layer Specific Information

This section specifies the 8-bit enumeration for the Layer Specific Information field in the Layer Header record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

### 8.3.2.4. Secondary Operational Data

This section specifies the 8-bit enumeration of the Operational Parameters 1 and 2 in the Secondary Operational Data record of the IFF/ATC/NAVAIDS PDU.

#### 8.3.2.4.1. Operational Parameter 1

Field Value	Description
0	Other

#### 8.3.2.4.2. Operational Parameter 2

Field Value	Description
0	Other

### 8.3.3. System Type 2 (Mark X/II/ATCRBS/MODE S Interrogator)

#### 8.3.3.1. System ID

##### 8.3.3.1.1. Change/Options

This section specifies the 8-bit Boolean array for the Change/Options field in the System ID record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
Change Indicator	0		
		0	No change since last report
		1	Initial report or change since last report
Alternate Mode 4	1		
		0	No
		1	Yes
Alternate Mode C	2		
		0	No
		1	Yes
	7 - 3	(Unused)	

#### 8.3.3.2. Fundamental Operational Data

##### 8.3.3.2.1. System Status

This section specifies the 8-bit Boolean array for the System Status field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
System On/Off	0		
		0	Off
		1	On
Parameter 1	1		
		0	Capable
		1	Not capable

Name	Bits	Purpose	
Parameter 2	2		
		0	Capable
		1	Not capable
Parameter 3	3		
		0	Capable
		1	Not capable
Parameter 4	4		
		0	Capable
		1	Not capable
Parameter 5	5		
		0	Capable
		1	Not capable
Parameter 6	6		
		0	Capable
		1	Not capable
Operational Status	7		
		0	Operational
		1	System failed

#### 8.3.3.2.2. Parameter 1 - Mode 1 Interrogator Status

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction

Name	Bits	Purpose
	1	Malfunction

#### 8.3.3.2.3. Parameter 2 - Mode 2 Interrogator Status

Name	Bits	Purpose
	12 - 0	(Unused)
Status	13	
	0	Off
	1	On
Damage	14	
	0	No damage
	1	Damage
Malfunction	15	
	0	No malfunction
	1	Malfunction

#### 8.3.3.2.4. Parameter 3 - Mode 3 Interrogator Status

Name	Bits	Purpose
	12 - 0	(Unused)
Status	13	
	0	Off
	1	On
Damage	14	
	0	No damage
	1	Damage
Malfunction	15	
	0	No malfunction
	1	Malfunction

#### 8.3.3.2.5. Parameter 4 - Mode 4 Interrogator Status

Name	Bits	Purpose
------	------	---------

Name	Bits	Purpose	
Code element 1	11 - 0		
		4094 - 0	Pseudo-Crypto value
		4095	No Pseudo-Crypto value. Use Alternate Mode 4 value
	12	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

#### 8.3.3.2.6. Parameter 5 - Mode C Interrogator Status

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

#### 8.3.3.2.7. Parameter 6 - Mode S Code/Status

Name	Bits	Purpose
	11 - 0	(Unused)

Name	Bits	Purpose	
TCAS	12		
		0	TCAS I
		1	TCAS II
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.3.2.8. Modifier

Name	Bits	Purpose
	7 - 0	(Unused)

## 8.3.3.2.9. Alternate Parameter 4

Field Value	Description
0	Other
1	Valid
2	Invalid
3	No response
4 - 255	(Unused)

## 8.3.3.2.10. Information Layers

This section specifies the 8-bit Boolean array for the Information Layer Field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose
	0	(Unused)

Name	Bits	Purpose	
Layer 1	12		
		0	Not Present
		1	Present
Layer 2	13		
		0	Not Present
		1	Present
	7 - 3	(Unused)	

### 8.3.3.3. Layer Header

#### 8.3.3.3.1. Layer Specific Information

This section specifies the 8-bit enumeration for the Layer Specific Information field in the Layer Header record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

### 8.3.3.4. Secondary Operational Data

This section specifies the 8-bit enumeration of the Operational Parameters 1 and 2 in the Secondary Operational Data record of the IFF/ATC/NAVAIDS PDU.

#### 8.3.3.4.1. Operational Parameter 1

Field Value	Description
0	Other

#### 8.3.3.4.2. Operational Parameter 2

Field Value	Description
0	Other

### 8.3.4. System Type 3 (Soviet Transponder)

#### 8.3.4.1. System ID

##### 8.3.4.1.1. Change/Options

This section specifies the 8-bit Boolean array for the Change/Options field in the System ID record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
Change Indicator	0		
		0	No change since last report
		1	Initial report or change since last report
	7 - 1	(Unused)	

#### 8.3.4.2. Fundamental Operational Data

##### 8.3.4.2.1. System Status

This section specifies the 8-bit Boolean array for the System Status field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
System On/Off	0		
		0	Off
		1	On
Parameter 1	1		
		0	Capable
		1	Not capable
Parameter 2	2		
		0	Capable
		1	Not capable
Parameter 3	3		
		0	Capable
		1	Not capable



Name	Bits	Purpose	
Parameter 4	4		
		0	Capable
		1	Not capable
Parameter 5	5		
		0	Capable
		1	Not capable
Parameter 6	6		
		0	Capable
		1	Not capable
Operational Status	7		
		0	Operational
		1	System failed

## 8.3.4.2.2. Parameter 1

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.4.2.3. Parameter 2

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		

Name	Bits	Purpose	
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.4.2.4. Parameter 3

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.4.2.5. Parameter 4

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage

Name	Bits	Purpose	
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.4.2.6. Parameter 5

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.4.2.7. Parameter 6

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

*8.3.4.2.8. Modifier*

Name	Bits	Purpose
	7 - 0	(Unused)

*8.3.4.2.9. Alternate Parameter 4*

Field Value	Description
0 - 255	(Unused)

*8.3.4.2.10. Information Layers*

This section specifies the 8-bit Boolean array for the Information Layer Field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
	0	(Unused)	
Layer 1	12		
		0	Not Present
		1	Present
Layer 2	13		
		0	Not Present
		1	Present
	7 - 3	(Unused)	

**8.3.4.3. Layer Header***8.3.4.3.1. Layer Specific Information*

This section specifies the 8-bit enumeration for the Layer Specific Information field in the Layer Header record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

### 8.3.4.4. Secondary Operational Data

This section specifies the 8-bit enumeration of the Operational Parameters 1 and 2 in the Secondary Operational Data record of the IFF/ATC/NAVAIDS PDU.

#### 8.3.4.4.1. Operational Parameter 1

Field Value	Description
0	Other

#### 8.3.4.4.2. Operational Parameter 2

Field Value	Description
0	Other

## 8.3.5. System Type 4 (Soviet Interrogator)

### 8.3.5.1. System ID

#### 8.3.5.1.1. Change/Options

This section specifies the 8-bit Boolean array for the Change/Options field in the System ID record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
Change Indicator	0		
		0	No change since last report
		1	Initial report or change since last report
	7 - 1	(Unused)	

### 8.3.5.2. Fundamental Operational Data

#### 8.3.5.2.1. System Status

This section specifies the 8-bit Boolean array for the System Status field in the Fundamental Operational

Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
System On/Off	0		
		0	Off
		1	On
Parameter 1	1		
		0	Capable
		1	Not capable
Parameter 2	2		
		0	Capable
		1	Not capable
Parameter 3	3		
		0	Capable
		1	Not capable
Parameter 4	4		
		0	Capable
		1	Not capable
Parameter 5	5		
		0	Capable
		1	Not capable
Parameter 6	6		
		0	Capable
		1	Not capable
Operational Status	7		
		0	Operational
		1	System failed

## 8.3.5.2.2. Parameter 1

Name	Bits	Purpose
	12 - 0	(Unused)
Status	13	

Name	Bits	Purpose	
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.5.2.3. Parameter 2

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.5.2.4. Parameter 3

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage

Name	Bits	Purpose	
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.5.2.5. Parameter 4

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.5.2.6. Parameter 5

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction



## 8.3.5.2.7. Parameter 6

Name	Bits	Purpose	
	12 - 0	(Unused)	
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction
		1	Malfunction

## 8.3.5.2.8. Modifier

Name	Bits	Purpose
	7 - 0	(Unused)

## 8.3.5.2.9. Alternate Parameter 4

Field Value	Description
0 - 255	(Unused)

## 8.3.5.2.10. Information Layers

This section specifies the 8-bit Boolean array for the Information Layer Field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
	0	(Unused)	
Layer 1	12		
		0	Not Present
		1	Present
Layer 2	13		

Name	Bits	Purpose	
		0	Not Present
		1	Present
	7 - 3	(Unused)	

### 8.3.5.3. Layer Header

#### 8.3.5.3.1. Layer Specific Information

This section specifies the 8-bit enumeration for the Layer Specific Information field in the Layer Header record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

### 8.3.5.4. Secondary Operational Data

This section specifies the 8-bit enumeration of the Operational Parameters 1 and 2 in the Secondary Operational Data record of the IFF/ATC/NAVAIDS PDU.

#### 8.3.5.4.1. Operational Parameter 1

Field Value	Description
0	Other

#### 8.3.5.4.2. Operational Parameter 2

Field Value	Description
0	Other

### 8.3.6. System Type 5 (RRB Transponder)

#### 8.3.6.1. System ID

##### 8.3.6.1.1. Change/Options

This section specifies the 8-bit Boolean array for the Change/Options field in the System ID record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose
Change Indicator	0	
		0      No change since last report
		1      Initial report or change since last report
	7 - 1	(Unused)

#### 8.3.6.2. Fundamental Operational Data

##### 8.3.6.2.1. System Status

This section specifies the 8-bit Boolean array for the System Status field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose
System On/Off	0	
		0      Off
		1      On
Parameter 1	1	
		0      Capable
		1      Not capable
Parameter 2	2	
		0      Capable
		1      Not capable
Parameter 3	3	
		0      Capable
		1      Not capable

Name	Bits	Purpose	
Parameter 4	4		
		0	Capable
		1	Not capable
Parameter 5	5		
		0	Capable
		1	Not capable
Parameter 6	6		
		0	Capable
		1	Not capable
Operational Status	7		
		0	Operational
		1	System failed

#### 8.3.6.2.2. Parameter 1 - RRB Response

Name	Bits	Purpose	
Code	4 - 0	Code value (decimal)	
	10 - 5	(Unused)	
Power Reduction	11		
		0	Off
		1	On
Radar Enhancement	12		
		0	Off
		1	On
Status	13		
		0	Off
		1	On
Damage	14		
		0	No damage
		1	Damage
Malfunction	15		
		0	No malfunction

Name	Bits	Purpose	
		1	Malfunction

*8.3.6.2.3. Parameter 2*

Name	Bits	Purpose
	15 - 0	(Unused)

*8.3.6.2.4. Parameter 3*

Name	Bits	Purpose
	15 - 0	(Unused)

*8.3.6.2.5. Parameter 4*

Name	Bits	Purpose
	15 - 0	(Unused)

*8.3.6.2.6. Parameter 5*

Name	Bits	Purpose
	15 - 0	(Unused)

*8.3.6.2.7. Parameter 6*

Name	Bits	Purpose
	15 - 0	(Unused)

*8.3.6.2.8. Modifier*

Name	Bits	Purpose
	7 - 0	(Unused)

*8.3.6.2.9. Alternate Parameter 4*

Field Value	Description
0	(Unused)

### 8.3.6.2.10. Information Layers

This section specifies the 8-bit Boolean array for the Information Layer Field in the Fundamental Operational Data record of the IFF/ATC/NAVAIDS PDU.

Name	Bits	Purpose	
	0	(Unused)	
Layer 1	12		
		0	Not Present
		1	Present
Layer 2	13		
		0	Not Present
		1	Present
	7 - 3	(Unused)	

### 8.3.6.3. Layer Header

#### 8.3.6.3.1. Layer Specific Information

This section specifies the 8-bit enumeration for the Layer Specific Information field in the Layer Header record of the IFF/ATC/NAVAIDS PDU.

Field Value	Description
0	Other

### 8.3.6.4. Secondary Operational Data

This section specifies the 8-bit enumeration of the Operational Parameters 1 and 2 in the Secondary Operational Data record of the IFF/ATC/NAVAIDS PDU.

#### 8.3.6.4.1. Operational Parameter 1

Field Value	Description
0	Other

## 8.3.6.4.2. Operational Parameter 2

Field Value	Description
0	Other

## 8.3.7. Specific Issuance/Receipt Rules

### 8.3.7.1. Issuance Rules: System Type 1 (Mark X/XII/ATCRBS/Mode S Transponder)

1. System ID Record: Alternate Mode 4. Any application that transmits Mode 4 shall always set the Alternate Mode 4 field to the appropriate value in the Fundamental Data Record and shall set the Alternate Mode 4 field in the System ID Record to 1. The application may also send a "pseudo-crypto" value in the Mode 4 parameter if coordinated with other sites prior to the exercise.
2. System ID Record: Alternate Mode C. Any application that transmits Mode C shall always set the Alternate Mode C field to the appropriate value in the Fundamental Data Record and shall set the Alternate Mode C field in the System ID Record to 1. The application may also send the actual Mode C encoded altimeter in the Mode C parameter.
3. Fundamental Operational Data Record: System Status: System On/Off. The System On/Off Status shall be set to 1 if any of the Modes (Parameters 1-6) are set to On. Otherwise the status shall be set to Off. If the Entity State PDU Appearance Damage Status value = 3 (Destroyed) for the associated entity and the entity is not canceled at the time it is destroyed, the System Status/System On/Off field and all Parameter 1-6 Status fields (Bit 13) for Capable modes shall be set to 1 (Off). This change in status shall be automatically set within 10 seconds of the simulation determining that the entity could no longer transmit a reply to an interrogation. For the destroyed case, it is not required that the Operational Status field be set to System Failed or the Parameter 1-6 Damage or Malfunction Status fields be set to 1. However, these fields can be set if desired. At least three periodic updates shall be sent for the IFF/ATC/NAVAIDS PDU following the change to Off status due to the entity being destroyed. After the three periodic updates are sent, a simulation may either continue to send periodic updates or cease sending them.
4. Fundamental Operational Data Record: System Status: Capable Parameters 1-6 Any application that transmits an IFF/ATC/NAVAIDS PDU with System Type =1 shall set the Capable Parameters 1-6 to report which modes are capable and not capable of being transponded by the emitting entity.
5. Fundamental Operational Data Record: Operational Status. This status shall be set to 1 (System failed) if no Parameter 1-6 or Modifier parameter (Emergency, Squawk Flash, STI) can be transponded regardless of the System Status/System On/Off field setting. Otherwise, the status shall be set to 0.
6. Fundamental Operational Data Record: Parameter 1-6 Codes. Codes shall reflect the present code settings for an entity at the time an IFF/ATC/NAVAIDS PDU is transmitted and are independent of the present Mode Status settings. Code 0 shall not be used to indicate off for a mode. However, code zero may be transmitted for a mode if that is the setting for the transponder. Mode 1, 2, and 3 codes represent octal values that are set into the appropriate code elements. Each associated parameter is

an unsigned integer that includes both the code and status values. When decoded, the code elements are converted back to the appropriate octal values. If actual Mode C encoded altitude is being transmitted, an IFF/ATC/NAVAIDS PDU shall be transmitted once for each 100-foot change in entity altitude.

7. Fundamental Operational Data Record: Modifier Parameters. When a Modifier parameter is set to on to report truth data not related to a specific interrogation reported in an IFF/ATC/NAVIADS PDU, and the condition is transitory, such as the Squawk Flash, the issuing application shall ensure that an IFF/ATC/NAVAIDS PDU is transmitted with the parameter set to off when the transitory condition has ended. For Squawk Flash, the On state shall be for 30 seconds when not responding to a specific interrogation.
8. Fundamental Operational Data Record: Alternate Mode 4. The Alternate Mode 4 values shall be set to 1, 2 or 3 if the entity is capable of transmitting Mode 4 as reflected in the Capable parameter regardless of whether Actual Mode 4 Pseudo-Crypto is also included in the Parameter 4.
9. System ID Record: Change Indicator. The Change Indicator shall be set to 1 for all initial reports and whenever a change is being reported even if the change coincides with a periodic update report. For all other cases, the Change indicator shall be set to 0.

### **8.3.7.2. Receipt Rules: System Type 1 (Mark X/XII/ATCRBS/Mode S Transponder)**

1. System ID Record: Alternate Mode 4. Any application that can receive Mode 4 data shall be able, as a minimum, to process the Alternate Mode 4 field to derive the present Mode 4 value. If an application can also process any "pseudo-crypto" value contained in the Mode 4 parameter, it may either process the Mode 4 value or the Alternate Mode 4 value. If an application can detect a conflict in the Valid/ Invalid setting between the values in the two fields, the Alternate Mode 4 field value shall be the value that is accepted.
2. System ID Record: Alternate Mode C. Any application that can receive Mode C shall be able, as a minimum, to process the Alternate Mode C field in the Fundamental Data Record. If an application can also process an encoded altimeter value contained in the Mode C parameter, it may either process the Mode C value or the Alternate Mode C value (i.e., use the entity's altitude value derived from the Entity State PDU.) If an application can detect a conflict in the values contained in the two fields, the Mode C field value shall be the value that is accepted and not the entity altitude from the Entity State PDU.
3. Fundamental Operational Data Record: System Status: Capable Parameters 1-5. If the Not Capable field is set for a specific parameter (1-5), the receiving site/application need not process that Parameter's values in the Fundamental Operational Data Record.
4. Fundamental Operational Data Record: Parameter 1-3 Codes. Mode 1, 2 and 3 code values of zero shall be valid and shall not be interpreted as a Mode Off status.
5. If a receiving site/application has the capability to set transponder data for received entities for distribution to other applications not directly connected on the DIS network, receipt of transponder data on the received entity shall always override locally entered data for the received entity.
6. A receiving site/application may perform validity checks on parameter data to ensure they are within the limits specified in the DIS enumeration document. Only invalid data for the specific parameter



processed shall be ignored. Any previously accepted data for that parameter may either be retained or cleared.

7. Fundamental Operational Data Record: Mode Status. The Mode Status - Damage and Malfunction field values shall be processed upon receipt as agreed to by participants prior to a DIS exercise.
8. Fundamental Operational Data Record: Parameter 6. Mode S data elements shall be agreed to by participants prior to a DIS Exercise.

### **8.3.7.3. Issuance Rules: System Type 5 (RRB Transponder)**

1. Fundamental Operational Data Record: System Status: Capable. All RRB Transponders shall set the Parameter 1 system status bit to 0 (Capable) and the Parameters 2-6 system status bits to 1 (Not Capable).
2. Fundamental Operational Data Record: System Status: System On/Off. The System On/Off Status shall be set to 1 (On) if the RRB Response Status (bit 13 in Parameter 1) is set to 1 (On), the RRB Response Damage (bit 14 in Parameter 1) is set to 0 (No Damage) and the RRB Response Malfunction (bit 15 in Parameter 1) is set to 0 (no malfunction). Otherwise the status shall be set to 0 (Off). If the Entity State PDU Appearance Damage Status value = 3 (Destroyed) for the associated entity and the entity is not canceled at the time it is destroyed, the System Status/System On/Off field and the Parameter 1 Status fields (Bit 13) shall be set to 0 (Off). This change in status shall be automatically set within 10 seconds of the simulation determining that the entity could no longer transmit a reply to an interrogation. For the destroyed case, it is not required that the Operational Status field be set to System Failed or the Parameter 1 Damage or Malfunction Status fields be set to 1. However, these fields can be set if desired. At least three periodic updates shall be sent for the IFF/ATC/NAVAIDS PDU following the change to Off status due to the entity being destroyed. After the three periodic updates are sent, a simulation may either continue to send periodic updates or cease sending them.
3. Fundamental Operational Data Record: Operational Status. This status shall be set to 1 (System failed) if the RRB Response Damage bit (bit 14 in Parameter 1) is set to 1 (Damaged) or the RRB Response Malfunction bit (bit 15 in Parameter 1) is set to 1 (Malfunction). Otherwise, the status shall be set to 0.
4. Fundamental Operational Data Record: Parameter 1 Code. Codes shall reflect the present code settings for an entity at the time an IFF/ATC/NAVAIDS PDU is transmitted and are independent of the present Mode Status settings. Code 0 shall not be used to indicate off for a mode. However, code zero may be transmitted for a mode if that is the setting for the transponder.
5. System ID Record: Change Indicator. The Change Indicator shall be set to 1 for all initial reports and whenever a change is being reported even if the change coincides with a periodic update report. For all other cases, the Change indicator shall be set to 0.

### **8.3.7.4. Receipt Rules: System Type 5 (RRB Transponder)**

1. Fundamental Operational Data Record: Parameter 1 Codes. Code values of zero shall be valid and shall not be interpreted as a Mode Off status.

2. If a receiving site/application has the capability to set transponder data for received entities for distribution to other applications not directly connected on the DIS network, receipt of transponder data on the received entity shall always override locally entered data for the received entity.
3. A receiving site/application may perform validity checks on parameter data to ensure they are within the limits specified in the DIS enumeration document. Only invalid data for the specific parameter processed shall be ignored. Any previously accepted data for that parameter may either be retained or cleared.
4. Fundamental Operational Data Record: Mode Status. The Mode Status - Damage and Malfunction field values shall be processed upon receipt as agreed to by participants prior to a DIS exercise.

## 8.4. Underwater Acoustic PDU

### 8.4.1. State/Change Update indicator

This section specifies the 8-bit enumeration for the State/Change Update Indicator in the Underwater Acoustics PDU.

Field Value	Description
0	State Update
1	Changed Data Update

### 8.4.2. Acoustic System Name

This section specifies the 16-bit enumeration for the Acoustic System Name field of the Acoustic Emitter System record of the Underwater Acoustics PDU.

Field Value	Description
0	Other
1	AN/BQQ-5
2	AN/SSQ-62
3	AN/SQS-23
4	AN/SQS-26
5	AN/SQS-53
6	ALFS
7	LFA
8	AN/AQS-901
9	AN/AQS-902

### 8.4.3. Function

This section specifies the 8-bit enumeration for the Function field of the Acoustic Emitter System record of the Underwater Acoustics PDU.

Field Value	Description
0	Other
1	Platform search/detect/track
2	Navigation
3	Mine hunting
4	Weapon search/detect/track/detect

### 8.4.4. Active Emission Parameter Index

This section specifies the 16-bit enumeration for the Active Emission Parameter Index field in the Underwater Acoustics Fundamental Parameter Data record of the Underwater Acoustics PDU.

Field Value	Description
0	Other

### 8.4.5. Scan Pattern

This section specifies the 16-bit enumeration for the Scan Pattern field in the Underwater Acoustics Fundamental Parameter Data record of the Underwater Acoustics PDU.

Field Value	Description
0	Scan pattern not used
1	Conical
2	Helical
3	Raster
4	Sector search
5	Continuous search

### 8.4.6. Passive Parameter Index

This section specifies the 16-bit enumeration for the Passive Parameter Index field in the Underwater Acoustics PDU.

Field Value	Description
0	Other

### 8.4.7. Propulsion Plant Configuration

This section specifies the 7-bit enumerations for the Propulsion Plant Configuration field of the Underwater Acoustics PDU. Bit 7 of the Propulsion Plant Configuration field is a Hull Mounted Masker status bit.

Name	Bits	Purpose
Configuration	6 - 0	Run internal simulation clock.
		0 Other
		1 Diesel/electric
		2 Diesel
		3 Battery
		4 Turbine reduction
		5 (Unused)
		6 Steam
		7 Gas turbine
		127 - 8 (Unused)
Hull Mounted Masker	7	Hull Mounted Masker status
		0 Off
		1 On

### 8.4.8. Additional Passive Activity Parameter Index

This section specifies the 16-bit enumerations for the Additional Passive Activity Parameter Index field in the Underwater Acoustic PDU.

Field Value	Description
0	Other
1	Graham's MKV Coffee Maker
32769 - 65535	Reserved for classified enumerations

## 8.5. SEES PDU

### 8.5.1. Engine Power Setting Values

This section specifies the 32-bit floating point enumerations for the Engine Power Settings in the SEES Propulsion System Data record of the SEES PDU.

#### 8.5.1.1. Aircraft

Field Value	Description
-100	Engine Off
0	Idle Power
50	Mil. Power
51	Min. A/B
100	Max. A/B

#### 8.5.1.2. Helicopters

Field Value	Description
-100	Engine Off
0	Idle Power
100	Max. Power

#### 8.5.1.3. Tanks

Field Value	Description
-100	Engine Off
0	Idle Power
100	Max. Power

# Chapter 9. Radio Communications family

## 9.1. Transmitter PDU

### 9.1.1. Modulation Type record

#### 9.1.1.1. Spread Spectrum

This section specifies the 16-bit Boolean array for the Spread-Spectrum field in the Modulation-Type record of the Transmitter PDU. All bits set to zero indicates that spread-spectrum modulation is not in use. Individual bits set to one indicate the use of spread spectrum as follows:

Name	Bits	Purpose
Frequency Hopping	0	
Pseudo-noise	1	
Time Hopping	2	
	15 - 3	(Unused)

More than one bit set to one indicates that distinct methods are simultaneously in use.

#### 9.1.1.2. Major Modulation

This section specifies the 16-bit enumeration for the Major-Modulation field in the Modulation-Type record of the Transmitter PDU.

Field Value	Description
0	Other
1	Amplitude
2	Amplitude and Angle
3	Angle
4	Combination
5	Pulse
6	Unmodulated
7	Carrier Phase Shift Modulation (CPSM)

### 9.1.1.3. Detail

This section defines the 16-bit enumerations for the Detail field in the Transmitter PDU.

#### 9.1.1.3.1. Detailed modulation for amplitude modulation

The 16-bit Detailed modulation types for Amplitude Modulation are defined as follows:

Field Value	Description
0	Other
1	AFSK (Audio Frequency Shift Keying)
2	AM (Amplitude Modulation)
3	CW (Continuous Wave Modulation)
4	DSB (Double Sideband)
5	ISB (Independent Sideband)
6	LSB (Single Band Suppressed Carrier, Lower Sideband Mode)
7	SSB-Full (Single Sideband Full Carrier)
8	SSB-Reduc (Single Band Reduced Carrier)
9	USB (Single Band Suppressed Carrier, Upper Sideband Mode)
10	VSB (Vestigial Sideband)

#### 9.1.1.3.2. Detailed modulation for amplitude and angle modulation

The 16-bit Detailed modulation types for Amplitude and Angle Modulation are defined as follows:

Field Value	Description
0	Other
1	Amplitude and Angle

#### 9.1.1.3.3. Detailed modulation for angle modulation

The 16-bit Detailed modulation types for Angle Modulation are defined as follows:

Field Value	Description
0	Other
1	FM (Frequency Modulation)
2	FSK (Frequency Shift Keying)
3	PM (Phase Modulation)

*9.1.1.3.4. Detailed modulation for combination modulation*

The 16-bit Detailed modulation types for Combination Modulation are defined as follows:

Field Value	Description
0	Other
1	Amplitude-Angle-Pulse

*9.1.1.3.5. Detailed modulation for pulse modulation*

The 16-bit Detailed modulation types for Pulse Modulation are defined as follows:

Field Value	Description
0	Other
1	Pulse
2	X Band TACAN Pulse
3	Y Band TACAN Pulse

*9.1.1.3.6. Detailed modulation for unmodulated modulation*

The 16-bit Detailed modulation types for an unmodulated carrier are defined as follows:

Field Value	Description
0	Other
1	Continuous Wave emission of an unmodulated carrier

*9.1.1.3.7. Detailed Modulation for Carrier Phase Shift*

The 16-bit Detailed modulation types for carrier phase shift modulation (CSPM) are defined as follows:

Field Value	Description
0	Other

**9.1.1.4. System**

This section specifies the 16-bit enumeration for the System field in the Modulation-Type record of the Transmitter PDU.



Field Value	Description
0	Other
1	Generic
2	HQ
3	HQII
4	HQIIA
5	SINCGARS
6	CCTT SINCGARS
7	EPLRS (Enhanced Position Location Reporting System)
8	JTIDS/MIDS <sub>a</sub>
Notes:	
a. See SISO-STD-002-V1.0 DRAFT, Tactical Digital Information Link-Technical Advice and Lexicon for Enabling Simulation (TADIL-TALES), section 5.2.1, paragraph 3.d.	

### 9.1.2. Transmit State

This section specifies the 8-bit enumeration for the Transmit-State field in the Transmitter PDU.

Field Value	Description
0	Off
1	On but not transmitting
2	On and transmitting

### 9.1.3. Input Source

This section specifies the 8-bit enumeration for the Input-Source field in the Transmitter PDU.

Field Value	Description
0	Other
1	Pilot
2	Copilot
3	First Officer
4	Driver
5	Loader
6	Gunner
7	Commander
8	Digital Data Device
9	Intercom

### 9.1.4. Crypto System

This section specifies the 16-bit enumeration for the Crypto-System field in the Transmitter PDU.

Field Value	Description
0	Other
1	KY-28
2	VINSON (KY-57, KY-58, SINCGARS ICOM)
3	Narrow Spectrum Secure Voice (NSVE)
4	Wide Spectrum Secure Voice (WSVE)
5	(Deleted)

### 9.1.5. Antenna Pattern Type

This section specifies the 16-bit enumeration for the Antenna Pattern Type field in the Transmitter PDU.

Field Value	Description
0	Omni-directional
1	Beam
2	Spherical harmonic

### 9.1.6. Reference System

This section specifies the 8-bit enumeration for the Reference System field in the Beam Antenna Pattern record and the Spherical Harmonic Pattern Record in the Transmitter PDU. The enumeration for the Reference System are limited to the two listed below.

Field Value	Description
1	World Coordinates
2	Entity Coordinates

### 9.1.7. Modulation Parameters, used in the Transmitter PDU

This section specifies the Modulation Parameters in the Transmitter PDU.

### 9.1.7.1. CCTT SINCGARS Modulation Parameters

Detailed information about the CCTT SINCGARS (Radio System Type 6) shall be communicated by using the Modulation Parameters in the Transmitter PDU. The Modulation Parameters shall contain the following fields:

1. FH Data - These fields are only used when the SINCGARS radio is in FH mode. They determine the hopping pattern of the SINCGARS radio. If any one of these fields is different, except FH Synchronization Time Offset, the hopping pattern is different. Radios on different hopping patterns shall not communicate.
  - a. FH Net ID - This field shall identify the frequency hopping network.
  - b. Hop Set ID - This field shall identify the set of frequencies used when creating a hopping pattern. The frequencies in the hop set are transmitted by a method outside the scope of this standard.
  - c. Lockout Set ID - This field shall identify the set of frequencies that are excluded from the hopping pattern. The frequencies in the lockout set are transmitted by a method outside the scope of this standard.
  - d. Transmission Security Key - This field shall identify the transmission security key that is used when generating the hopping pattern. (Not currently implemented, field added for future use).
  - e. FH Synchronization Time Offset - This field shall identify the offset to exercise time in seconds for the clock in the SINCGARS radio. SINCGARS radio clock must be synchronized for the radios to communicate. (Not currently implemented, field added for future use).
2. Start of Message - This field shall specify whether the radio is starting or continuing a transmission. A SINCGARS radio shall not receive any part of an FH transmission if the Start of Message is missed. Start of message may be missed if the radio was transmitting, receiving a different radio or otherwise not ready to start receiving a transmission.
3. Clear Channel - This field shall specify that the transmission is not subject to propagation loss, interference, comsec or any other form of signal degradation. Clear channels are used for interoperability with older systems and for control purposes.

**Table 9-1. CCTT SINCGARS Modulation Parameters**

FH Net ID	16-bit unsigned integer
Hop Set ID	16-bit unsigned integer
Lockout Set ID	16-bit unsigned integer
Start of Message	8-bit enumeration
Reserved	8-bit
FH Synchronization Time Offset	32-bit signed integer
Transmission Security Key	16-bit unsigned integer
Clear Channel	8-bit unsigned integer
<i>CCTT SINCGARS Modulation Parameters - total size 88 bits</i>	

#### 9.1.7.1.1. Start of Message

This section specifies the 8-bit enumeration for the Start of Message field in the CCTT SINCGARS Modulation Parameters.

Field Value	Description
0	Not start of message
1	Start of Message

#### 9.1.7.1.2. Clear Channel

This section specifies the 8-bit enumeration for the Clear Channel field in the CCTT SINCGARS Modulation Parameters.

Field Value	Description
0	Not clear channel
1	Clear channel

### 9.1.7.2. JTIDS/MIDS Modulation Parameters

Detailed information about the JTIDS/MIDS (Radio System Type 8) shall be communicated by using the Modulation Parameters in the Transmitter PDU. The Modulation Parameters shall contain the following fields:

1. Time Slot Allocation Mode - Defines the fidelity level to be used (range 0 to 4)
2. Transmitting Terminal Primary Mode - Defines the primary mode of operation of the transmitting terminal. See section 9.1.7.2.1 for details
3. Transmitting Terminal Secondary Mode - Defines the secondary mode of operation of the transmitting terminal. See section 9.1.7.2.2 for details
4. Synchronization State - Defines the current synchronization state of the transmitting terminal
5. Network Synchronization ID - For TSA modes 0-2, it *shall* be set to default. For TSA modes 3-4, it *shall* be a 32-bit random integer generated by using the DIS timestamp as the seed. Only an NTR can generate a Network Synchronization ID; all other participants *shall* use the ID obtained from the NTR to which they are synchronized

**Table 9-2. JTIDS/MIDS Modulation Parameters**

Time Slot Allocation Mode	8-bit unsigned integer
Transmitting Terminal Primary Mode	8-bit enumeration
Transmitting Terminal Secondary Mode	8-bit enumeration

Synchronization State	8-bit enumeration
Network Synchronization ID	32-bit unsigned integer
<i>JTIDS/MIDS Modulation Parameters - total size 64 bits</i>	

#### 9.1.7.2.1. Transmitting Terminal Primary Mode

This section specifies the 8-bit enumeration for the Transmitting Terminal Primary Mode field in the JTIDS/MIDS Modulation Parameters.

Field Value	Description
1	NTR
2	JTIDS Unit Participant

#### 9.1.7.2.2. Transmitting Terminal Secondary Mode

This section specifies the 8-bit enumeration for the Transmitting Terminal Secondary Mode field in the JTIDS/MIDS Modulation Parameters.

Field Value	Description
0	None
1	Net Position Reference
2	Primary Navigation Controller
3	Secondary Navigation Controller

#### 9.1.7.2.3. Synchronization State

This section specifies the 8-bit enumeration for the Synchronization State field in the JTIDS/MIDS Modulation Parameters.

Field Value	Description
1	Coarse Synchronization
2	Fine Synchronization

### 9.1.8. Radio signal encoding

Name	Bits	Purpose
------	------	---------

Name	Bits	Purpose	
Encoding Type	13 - 0	Encoding type	
		1	8-bit mu-law
		2	CVSD per MIL-STD-188-113
		3	ADPCM per CCITT G.721
		4	16-bit linear PCM
		5	8-bit linear PCM
		6	VQ (Vector Quantization)
Encoding Class	15 - 14	Encoding class	
		0	Encoded audio
		1	Raw Binary Data
		2	Application-Specific Data
		3	Database index

### 9.1.9. User Protocol Identification Number

The first sub-field of the Signal PDU Data Field contains a User Protocol Identification Number when the Encoding Class field indicates Application Specific Data. The enumerations for the User Protocol Identification are as follows:

Field Value	Description	Summary of Representation	Point of Contact	Email	Organisation
1	CCSIL		Marnie Salisbury	MARNIE@MITRE.ORG	
5	A2ATD SINCGARS ERF	Binary data	Chuck Woodman	WOODMAN@ORLANDO.LORAL.COM	
6	A2ATD CAC2	Binary Report/Overlay data	Wayne Beard	WBEARD@ORLANDO.LORAL.COM	
20	Battle Command	Abbreviated Command and Control	Gary Gagnon	ggagnon@cas-inc.com	
30	AFIWC IADS Track Report	Binary Data	Randy Schuetz	randy.schuetz@lackland.af.mil	
31	AFIWC IADS Comm C2 Message	Binary Data	Randy Schuetz	randy.schuetz@lackland.af.mil	

Field Value	Description	Summary of Representation	Point of Contact	Email	Organisation
32	AFIWC IADS Ground Control Interceptor (GCI) Command	Binary Data	Randy Schuetz	randy.schuetz@lackland.af.mil	
35	AFIWC Voice Text Message	Binary Data	Randy Schuetz	randy.schuetz@lackland.af.mil	
177	ModSAF Text Radio	Free Format ASCII Text	Richard Schaffer	RSCHAFFER@CAMB-LADS.LORAL.COM	
200	CCTT SINGARS ERF-LOCKOUT	Binary Data	Jim Keenan	jimk@greatwall.cctt.com	
201	CCTT SINGARS ERF-HOPSET	Binary Data	Jim Keenan	jimk@greatwall.cctt.com	
202	CCTT SINGARS OTAR	Binary Data	Jim Keenan	jimk@greatwall.cctt.com	
203	CCTT SINGARS DATA	Binary Data	Jim Keenan	jimk@greatwall.cctt.com	
546	ModSAF FWA Forward Air Controller	Binary data	Dan Coffin	dcoffin@camb-lads.loral.com	
832	ModSAF Threat ADA C3	Binary data	Dan Coffin	dcoffin@camb-lads.loral.com	
1000	F-16 MTC AFAPD Protocol	Packed Binary AFAPD Message Format for F-16 Block 50/52	Albert Ludwig	albert.j.ludwig@The Boeing Company	The Boeing Company

Field Value	Description	Summary of Representation	Point of Contact	Email	Organisation
1100	F-16 MTC IDL Protocol	Packed Binary IDL Message Format for F-16 Block 50/52	Albert Ludwig	albert.j.ludwig@flar.com	Flarcom Company
4570	ModSAF Artillery Fire Control	Structured text followed by binary data	Richard Schaffer	RSCHAFFER@CAMB-LADS.LORAL.COM	
5361	AGTS	Binary Report/Overlay data	Steve Gendreau	GENDREAU@ESCMAIL.ORL.MMC.COM	
6000	GC3	Binary data	Karl Shepherd	karl.shepherd@gsc.gte.com	
6010	WNCP data	Binary data	Karl Shepherd	karl.shepherd@gsc.gte.com	
6020	Spoken text message	Data about speaker followed by free ASCII text	Brett Kaylor	brett.kaylor@gsc.gte.com	General Government Systems
6661	Longbow IDM message	Simulated IDM message for Longbow Apache Aircraft	Peter Obear	obear@catinet.com	Carmel Applied Technologies, Inc
6662	Comanche IDM message	Simulated IDM message for Comanche Aircraft	Peter Obear	obear@catinet.com	Carmel Applied Technologies, Inc
6663	Longbow Airborne TACFIRE Message	Simulated TACFIRE IDM message for Longbow Apache Aircraft	Peter Obear	obear@catinet.com	Carmel Applied Technologies, Inc
6664	Longbow Ground TACFIRE Message	Simulated TACFIRE IDM message for Longbow Apache Aircraft	Peter Obear	obear@catinet.com	Carmel Applied Technologies, Inc



Field Value	Description	Summary of Representation	Point of Contact	Email	Organisation
6665	Longbow AFAPD Message	Simulated AFAPD IDM message for Longbow Apache Aircraft	Peter Obear	obear@catinet.com	Carmel Applied Technologies, Inc
6666	Longbow ERF message	Simulated ERF message for Longbow Apache Aircraft	Jeffery Day	Jeffrey.Day@MWBearing.com	WBBearing, St. Louis

### 9.1.10. TDL Type

This section specifies the 16-bit enumeration for the TDL Type field in the Signal PDU.

Field Value	Description
0	Other
1	PADIL
2	NATO Link-1
3	ATDL-1
4	Link 11B (TADIL B)
5	Situational Awareness Data Link (SADL)
6	Link 16 Legacy Format (JTIDS/TADIL-J)
7	Link 16 Legacy Format (JTIDS/FDL/TADIL-J)
8	Link 11A (TADIL A)
9	IJMS
10	Link 4A (TADIL C)
11	Link 4C
12	TIBS
13	ATL
14	Constant Source
15	Abbreviated Command and Control
16	MILSTAR
17	ATHS
18	OTHGOLD
19	TACELINT

Field Value	Description
20	Weapons Data Link (AWW-13)
21	Abbreviated Command and Control
22	Enhanced Position Location Reporting System (EPLRS)
23	Position Location Reporting System (PLRS)
24	SINCGARS
25	Have Quick I
26	Have Quick II
27	Have Quick IIA (Saturn)
28	Intra-Flight Data Link 1
29	Intra-Flight Data Link 2
30	Improved Data Modem (IDM)
31	Air Force Application Program Development (AFAPD)
32	Cooperative Engagement Capability (CEC)
33	Forward Area Air Defense (FAAD) Data Link (FDL)
34	Ground Based Data Link (GBDL)
35	Intra Vehicular Info System (IVIS)
36	Marine Tactical System (MTS)
37	Tactical Fire Direction System (TACFIRE)
38	Integrated Broadcast Service (IBS)
39	Airborne Information Transfer (ABIT)
40	Advanced Tactical Airborne Reconnaissance System (ATARS) Data Link
41	Battle Group Passive Horizon Extension System (BGPHERS) Data Link
42	Common High Bandwidth Data Link (CHBDL)
43	Guardrail Interoperable Data Link (IDL)
44	Guardrail Common Sensor System One (CSS1) Data Link
45	Guardrail Common Sensor System Two (CSS2) Data Link
46	Guardrail CSS2 Multi-Role Data Link (MRDL)
47	Guardrail CSS2 Direct Air to Satellite Relay (DASR) Data Link
48	Line of Sight (LOS) Data Link Implementation (LOS tether)
49	Lightweight CDL (LWCDL)
50	L-52M (SR-71)
51	Rivet Reach/Rivet Owl Data Link
52	Senior Span
53	Senior Spur
54	Senior Stretch.
55	Senior Year Interoperable Data Link (IDL)
56	Space CDL
57	TR-1 mode MIST Airborne Data Link
58	Ku-band SATCOM Data Link Implementation (UAV)

Field Value	Description
59	Mission Equipment Control Data link (MECDL)
60	Radar Data Transmitting Set Data Link
61	Surveillance and Control Data Link (SCDL)
62	Tactical UAV Video
63	UHF SATCOM Data Link Implementation (UAV)
64	Tactical Common Data Link (TCDL)
65	Low Level Air Picture Interface (LLAPI)
66	Weapons Data Link (AGM-130)
99	GC3
100	Link 16 Standardized Format (JTIDS/MIDS/TADIL J)
101	Link 16 Enhanced Data Rate (EDR JTIDS/MIDS/TADIL-J)
102	JTIDS/MIDS Net Data Load (TIMS/TOMS)
103	Link 22
104	AFIWC IADS Communications Links

## 9.2. Receiver PDU

### 9.2.1. Receiver State

This section specifies the 16-bit enumeration for the Receiver-State field in the Receiver PDU.

Field Value	Description
0	Off
1	On but not receiving
2	On and receiving

## 9.3. Intercom Control PDU

### 9.3.1. Control Type

This section specifies the 8-bit enumeration for the Control Type field in the Intercom Control PDU.

Field Value	Description
0	Reserved

Field Value	Description
1	Status
2	Request - Acknowledge Required
3	Request - No Acknowledge
4	Ack - Request Granted
5	Nack - Request Denied
6 - 255	(Unused)

### 9.3.2. Communications Type

This section specifies the 7-bit enumeration for the Communications Type sub-field of the Communications Channel Type field in the Intercom Control PDU.

Field Value	Description
0	Reserved
1	Connection FDX
2	Connection HDX - Destination is Receive Only
3	Connection HDX - Destination is Transmit Only
4	Connection HDX
5 - 127	(Unused)

### 9.3.3. Command

This section specifies the 8-bit enumeration for the Command field in the Intercom Control PDU.

Field Value	Description
0	No Command
1	Status
2	Connect
3	Disconnect
4	Reset
5	On
6	Off
7 - 255	(Unused)

### 9.3.4. Transmit Line State

This section specifies the 8-bit enumeration for the Transmit Line State field in the Intercom Control PDU.

Field Value	Description
0	Transmit Line State not applicable
1	Not Transmitting
2	Transmitting
3 - 255	(Unused)

### 9.3.5. Destination Line State Command

This section specifies the 8-bit enumeration for the Destination Line State field in the optional Intercom Communications Parameters records (see Section 9.3.6.2) in the Intercom Control PDU.

Field Value	Description
0	None
1	Set Line State - Transmitting
2	Set Line State - Not Transmitting
3	Return to Local Line State Control
4 - 255	(Unused)

### 9.3.6. Intercom Communications Parameters records

#### 9.3.6.1. Record type

This section specifies the 16-bit enumerations for the Record Type field in the Intercom Communications Parameters record of the Intercom Control PDU.

Field Value	Description
1	Entity Destination record
2	Group Destination record
3	Group Assignment record

#### 9.3.6.2. Intercom Communications Parameters records

This section contains the specification of specific Intercom Communications Parameters records for use

in the Intercom Control PDU.

#### 9.3.6.2.1. Entity Destination record

This record shall be used to send an Intercom Control PDU directly to a specific entity.

**Table 9-3. Entity Destination record**

Record Type = 1	16
Record Length = 12	16
Destination Entity ID	48
Destination Communications Device ID	16
Destination Line ID	8
Destination Priority	8
Destination Line State Command	8
Padding	8
<i>Entity Destination record - total size 128 bits</i>	

#### 9.3.6.2.2. Group Destination record

This record shall be used to send an Intercom Control PDU to an arbitrary group.

**Table 9-4. Group Destination record**

Record Type = 2	16
Record Length = 8	16
Destination Group Bit Field	32
Destination Priority	8
Destination Line State Command	8
Padding	16
<i>Group Destination record - total size 96 bits</i>	

#### 9.3.6.2.3. Group Assignment record

This record shall be used to assign a group bit field to a specific entity. A bit set to one shall indicate membership in the corresponding group. Multiple bits can be set to indicate membership in multiple groups.

**Table 9-5. Group Assignment record**

Record Type = 3	16
Record Length = 16	16
Group Bit Field	32
Destination Entity ID	48
Destination Communications Equipment ID	16
Destination Line ID	8
Reserved	24
<i>Group Assignment record - total size 160 bits</i>	

# Chapter 10. Entity Information/Interaction family

## 10.1. Collision PDU

### 10.1.1. Collision Type

This field specifies the 8-bit record of enumeration for the Collision Type-field in the Collision PDU

Field Value	Description
0	Inelastic
1	Elastic

## 10.2. Minefield Data PDU

### 10.2.1. Appearance Bit Map

The bits of the Minefield State PDU Appearance bit map are defined as follows:

Name	Bits	Purpose
Minefield type	1 - 0	Identifies the type of minefield
		0      Mixed anti-personnel and anti-tank minefield
		1      Pure anti-personnel minefield
		2      Pure anti-tank minefield
		3      (Unused)
Active Status	2	Identifies the active status of the minefield
		0      Active
		1      Inactive
Lane	3	Identifies whether the minefield has an active lane
		0      Minefield has active lane
		1      Minefield has an inactive lane
	12 - 4	(Unused)



Name	Bits	Purpose
State	13	Describes the state of the minefield
		0      Active
		1      Deactivated
	15 - 13	(Unused)

## 10.2.2. Data Filter

This section specifies the 32-bit enumeration for the Data Filter field of the Minefield Query PDU and the Minefield Data PDU

Name	Bits	Purpose
Ground Burial Depth Offset	0	Identifies whether Ground Burial Depth Offset data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Water Burial Depth Offset	1	Identifies whether Water Burial Depth Offset data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Snow Burial Depth Offset	2	Identifies whether Snow Burial Depth Offset data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Mine Orientation	3	Identifies whether Mine Orientation data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Thermal Contrast	4	Identifies whether Thermal Contrast data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Reflectance	5	Identifies whether Dielectric Constant data is requested / present
		0      Data not requested / present
		1      Data is requested / present
Mine Emplacement Age	6	Identifies whether Mine Emplacement Age data is requested / present
		0      Data not requested / present
		1      Data is requested / present

Name	Bits	Purpose
Trip/Detonation Wire	7	Identifies whether Trip / Detonation Wire Location data is requested / present
		0 Data not requested / present
		1 Data is requested / present
Fusing	8	Identifies whether Fusing data is requested / present
		0 Data not requested / present
		1 Data is requested / present
Scalar Detection Coefficient	9	Identifies whether Scalar Detection Coefficient data is requested / present
		0 Data not requested / present
		1 Data is requested / present
Paint Scheme	10	Identifies whether Paint Scheme data is requested / present
		0 Data not requested / present
		1 Data is requested / present
	31 - 11	(Unused)

### 10.2.3. Fusing

This section specifies the 16-bit enumeration for the Fusing field of the Minefield Data PDU

Name	Bits	Purpose
Primary	6 - 0	Identifies the type of the primary fuse
		0 No Fuse
		1 Other
		2 Pressure
		3 Magnetic
		4 Tilt Rod
		5 Command
		6 Trip Wire
Secondary	13 - 7	Identifies the type of the secondary fuse
		0 No Fuse
		1 Other
		2 Pressure
		3 Magnetic
		4 Tilt Rod
		5 Command

Name	Bits	Purpose	
AHD	4	6	Trip Wire
		Describes the anti-handling device status of the mine	
		0	No anti-handling device
		1	Anti-handling device
	15	(Unused)	

## 10.2.4. Sensor Types

This section specifies the 16-bit enumeration for the Sensor Types field of the Minefield Query PDU and the Minefield Data PDU. Bits 0-3 identify the category of the sensor type and bits 4-15 identify the subcategory within the specified category.

Field Value	Description
0	Other
1	Optical
2	FLIR
3	RADAR
4	Magnetic
5	Laser
6	SONAR
7	Physical
8	Multispectral

### 10.2.4.1. Optical subcategory

Field Value	Description
0	Unaided Eye, Actively Searching
1	Unaided Eye, Not Actively Searching
2	Binoculars
3	Image Intensifier
4	HMMWV occupant, Actively Searching
5	HMMWV occupant, Not Actively Searching
6	Truck occupant, Actively Searching
7	Truck occupant, Not Actively Searching
8	Tracked vehicle occupant, closed hatch, Actively Searching
9	Tracked vehicle occupant, closed hatch, Not Actively Searching
10	Tracked vehicle occupant, open hatch, Actively Searching

Field Value	Description
11	Tracked vehicle occupant, open hatch, Not Actively Searching

#### 10.2.4.2. FLIR subcategory

Field Value	Description
0	Generic 3-5
1	Generic 8-12
2	ASTAMIDS I
3	ASTAMIDS II
4	GSTAMIDS 3-5
5	GSTAMIDS 8-12
6	HSTAMIDS 3-5
7	HSTAMIDS 8-12
8	COBRA 3-5
9	COBRA 8-12

#### 10.2.4.3. RADAR subcategory

Field Value	Description
0	Generic
1	Generic GPR
2	GSTAMIDS I
3	GSTAMIDS II
4	HSTAMIDS I
5	HSTAMIDS II

#### 10.2.4.4. Magnetic subcategory

Field Value	Description
0	Generic
1	AN-PSS-11
2	AN-PSS-12
3	GSTAMIDS

#### 10.2.4.5. Laser subcategory

Field Value	Description
0	Generic
1	ASTAMIDS

#### 10.2.4.6. SONAR subcategory

Field Value	Description
0	Generic

#### 10.2.4.7. Physical subcategory

Field Value	Description
0	Generic Probe
1	Probe, metal content
2	Probe, no metal content

#### 10.2.4.8. Multispectral subcategory

Field Value	Description
0	Generic

### 10.2.5. Paint Scheme

This section specifies the 8-bit enumeration for the Paint Scheme field of the Minefield Data PDU.

Name	Bits	Purpose
Algae	1 - 0	Identifies the algae build-up on the mine
		0      None
		1      Light
		2      Moderate
		3      Heavy
Paint Scheme	7 - 2	Identifies the paint scheme of the mine
		0      Other
		1      Standard
		2      Camouflage Desert

Name	Bits	Purpose	
		3	Camouflage Jungle
		4	Camouflage Snow
		5	Camouflage Gravel
		6	Camouflage Pavement
		7	Camouflage Sand
		8	Natural Wood
		9	Clear
		10	Red
		11	Blue
		12	Green
		13	Olive
		14	White
		15	Tan
		16	Black
		17	Yellow
		18	Brown

### 10.2.6. Protocol Mode

This section specifies the 2-bit enumeration for the Protocol Mode field of the Minefield State PDU.

Name	Bits	Purpose	
Protocol Mode	1 - 0	Protocol Mode	
		0	Heartbeat mode
		1	QRP mode
		3 - 2	(Unused)

# Chapter 11. Entity Management family

## 11.1. Aggregate State PDU

### 11.1.1. Aggregate State

This section specifies the 8-bit enumeration for the Aggregate State-field in the Aggregate State PDU.

Field Value	Description
0	Other
1	Aggregated
2	Disaggregated
3	Fully disaggregated
4	Pseudo-disaggregated
5	Partially-disaggregated

### 11.1.2. Formation

This section specifies the 32-bit enumeration for the Formation-field in the Aggregate State PDU

Field Value	Description
0	Other
1	Assembly
2	Vee
3	Wedge
4	Line
5	Column

### 11.1.3. Aggregate Type record

This section specifies the 64-bit enumerations for the Aggregate Type record of the Aggregate State PDU. Aggregate types are arranged in hierarchical order.

#### 11.1.3.1. Aggregate Kind

This section specifies the 8-bit enumerations for the Aggregate Kind field for the Aggregate Type record.

Field Value	Description
0	Other
1	Military Hierarchy
2	Common Type
3	Common Mission
4	Similar Capabilities
5	Common Location

### 11.1.3.2. Domain and Country

The Domain-field and the Country-field enumeration are the same as used for the Entity Type record (see Section 4.2).

### 11.1.3.3. Aggregate Types

The Category field enumerations for Kind-field = Military Hierarchy specify the Echelon Level of the aggregate, and are enumerated as follows:

#### 11.1.3.3.1. United States Platform

##### 11.1.3.3.1.1. Land

Field Value	Description
1.1.225	
1.1.225.0	Other
1.1.225.1	Individual Vehicle
1.1.225.2	Element
1.1.225.3	Platoon
1.1.225.4	Battery
1.1.225.5	Company
1.1.225.6	Battalion
1.1.225.7	Regiment
1.1.225.8	Brigade
1.1.225.9	Division
1.1.225.10	Corps



*11.1.3.3.2. Subcategory*

The Subcategory field enumerations for Kind field = Military Hierarchy specify the Echelon Type of the aggregate, and are enumerated as follows. Not all of the following echelon types are applicable to each of the above enumerated Categories.

Field Value	Description
0	Other
1	Cavalry Troop
2	Armor
3	Infantry
4	Mechanized Infantry
5	Cavalry
6	Armored Cavalry
7	Artillery
8	Self-propelled Artillery
9	Close Air Support
10	Engineer
11	Air Defense Artillery
12	Anti-tank
13	Army Aviation Fixed-wing
14	Army Aviation Rotary-wing
15	Army Attack Helicopter
16	Air Cavalry
17	Armor Heavy Task Force
18	Motorized Rifle
19	Mechanized Heavy Task Force
20	Command Post
21	CEWI
22	Tank only

*11.1.3.3.3. Specific*

The Specific field enumerations for Kind field = Military Hierarchy specify whether the aggregate unit contains a headquarters, and is enumerated as follows

Field Value	Description
0	No headquarters
1	Yes aggregate unit contains a headquarters

## 11.2. IsPartOf PDU

### 11.2.1. Nature

This section specifies the 16-bit enumeration for the Nature-field of the Relationship record.

Field Value	Description
0	Other
1	Host-fireable munition
2	Munition carried as cargo
3	Fuel carried as cargo
4	Gunmount attached to host
5	Computer generated forces carried as cargo
6	Vehicle carried as cargo
7	Emitter mounted on host
8	Mobile command and control entity carried aboard host
9	Entity stationed at position with respect to host(See Section 11.2.2).
10	Team member in formation with

### 11.2.2. Position

This section specifies the 16-bit enumeration for the Position-field of the Relationship record.

Field Value	Description
0	Other
1	On top of
2	Inside of

### 11.2.3. Station Name

This section specifies the 16-bit enumeration for the Station Name-field of the Named Station Identification record.

Field Value	Description
0	Other
1	Aircraft wingstation
2	Ship's forward gunmount (starboard)
3	Ship's forward gunmount (port)

Field Value	Description
4	Ship's forward gunmount (centerline)
5	Ship's aft gunmount (starboard)
6	Ship's aft gunmount (port)
7	Ship's aft gunmount (centerline)
8	Forward torpedo tube
9	Aft torpedo tube
10	Bomb bay
11	Cargo bay
12	Truck bed
13	Trailer bed
14	Well deck
15	On station - (RNG/BRG)
16	On station - (x,y,z)

## 11.3. IsGroupOf PDU

### 11.3.1. Grouped Entity Category

This section specifies the 8-bit enumeration for the Grouped Entity Category field of the IsGroupOf PDU.

Field Value	Description
0	Undefined
1	Basic Ground Combat Vehicle
2	Enhanced Ground Combat Vehicle
3	Basic Ground Combat Soldier
4	Enhanced Ground Combat Soldier
5	Basic Rotor Wing Aircraft
6	Enhanced Rotor Wing Aircraft
7	Basic Fixed Wing Aircraft
8	Enhanced Fixed Wing Aircraft
9	Ground Logistics Vehicle

### 11.3.2. Rest Status

This section specifies the 8-bit enumeration for the Rest Status field in the Grouped Entity Description

record for the Enhanced Ground Combat Soldier.

Field Value	Description
0	Not rested (Has not slept in the last three days)
1	Has slept an average of 1 hour per day in the last three days.
2	Has slept an average of 2 hours per day in the last three days.
3	Has slept an average of 3 hours per day in the last three days.
4	Has slept an average of 4 hours per day in the last three days.
5	Has slept an average of 5 hours per day in the last three days.
6	Has slept an average of 6 hours per day in the last three days.
7	Has slept an average of 7 hours per day in the last three days.
8	Fully rested (Has slept an average of 8 hours per day in the last three days)

### 11.3.3. Grouped Entity Description records

The specification of the entity state information about various categories of grouped entities within an IsGroupOf PDU shall be represented by a Grouped Entity Description record.

#### 11.3.3.1. Grouped Entity Description record 1 - Basic Ground Combat Vehicle

The specification of entity state information about an individual entity within a group of ground combat vehicles shall be represented by a Grouped Entity Description record 1 - Basic Ground Combat Vehicle. The Grouped Entity Description record 1 shall contain the following fields:

- a. Entity Identifier. Each entity within a group shall be assigned an entity identifier unique within that group. The Site Identifier and Application Identifiers shall be the same as those designated in the Group Entity ID field, and shall not be transmitted. The Entity Identifier shall be represented by a 16-bit unsigned integer.
- b. Entity Location. Location of a grouped entity shall be specified by a set of three offsets: x-offset, y-offset, and z-offset. These offsets shall be determined by the difference, in meters, of the grouped entity from the Group Reference Point. Each offset shall be represented by a 16-bit signed integer.
- c. Entity Appearance. Appearance of a grouped entity shall be identical to that specified by an Entity State PDU Appearance record. This record shall be defined as a 32-bit record of enumerations (see 5.2.12 in IEEE Std 1278.1-1995). Values for the fields contained in this record are defined in Section 4 of this document.
- d. Entity Orientation. Orientation of a grouped entity shall be specified by three Euler angles, psi, theta and phi, in 25 milliradian increments. Each angle shall be represented by an 8-bit signed integer.
- e. Entity Speed. Speed of a grouped entity shall be the signed magnitude value of the entity's absolute velocity vector. A negative value shall indicate that the entity is moving backwards. Entity Speed shall be specified in meters per second and shall be represented by an 8-bit signed integer.

- f. Turret Azimuth. Turret Azimuth shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- g. Gun Elevation. Gun Elevation shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- h. Turret Slew Rate. Turret Slew Rate shall be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.
- i. Gun Elevation Rate. Gun Elevation Rate shall be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.

The format of the Grouped Entity Description record 1 - Basic Ground Combat Vehicle shall be as shown in Table 11-1.

**Table 11-1. Grouped Entity Description Record 1**

Entity ID	16-bit unsigned integer
Entity Location	x-Offset - 16-bit unsigned integer
	y-Offset - 16-bit unsigned integer
	z-Offset - 16-bit unsigned integer
Entity Appearance	32-bit record of enumerations
Entity Orientation	Psi - 8-bit signed integer
	Theta - 8-bit signed integer
	Phi - 8-bit signed integer
Entity Speed	8-bit signed integer
Turret Azimuth	8-bit signed integer
Gun Elevation	8-bit signed integer
Turret Slew Rate	8-bit signed integer
Gun Elevation Rate	8-bit signed integer
<i>Grouped Entity Description Record 1 - total size 160 bits</i>	

### 11.3.3.2. Grouped Entity Description record 2 - Enhanced Ground Combat Vehicle

The specification of entity state and logistics information about an individual entity within a group of ground combat vehicles shall be represented by a Grouped Entity Description record 2 - Enhanced Ground Combat Vehicle. The Grouped Entity Description record 2 shall contain the following fields:

- a. Grouped Entity Description record 1 - Basic Ground Combat Vehicle. See 11.3.3.1.
- b. Fuel Status. Fuel Status of a grouped entity shall be the amount of fuel remaining. Fuel Status shall be specified in 10 liter increments, and shall be represented by an 8-bit unsigned integer.

- c. Ground Maintenance Status. Ground Maintenance Status of a grouped entity shall be the distance traveled since the last failure. Ground Maintenance Status shall be specified in tens of kilometers, and shall be represented by an 8-bit unsigned integer.
- d. Primary Ammunition. Primary Ammunition of a grouped entity shall be the amount of primary ammunition remaining. Primary Ammunition shall be specified in natural ammunition units for the primary weapon system, and shall be represented by an 8-bit unsigned integer.
- e. Secondary Ammunition. Secondary Ammunition of a grouped entity shall be the amount of secondary ammunition remaining. Secondary Ammunition shall be specified in natural ammunition units for the secondary weapon system, and shall be represented by an 8-bit unsigned integer.

The format of the Grouped Entity Description record 2 - Enhanced Ground Combat Vehicle shall be as shown in Table 11-2.

**Table 11-2. Grouped Entity Description Record 2**

Grouped Entity Description record 1 - Basic Ground Combat Vehicle	
Fuel Status	8-bit unsigned integer
Ground Maintenance Status	8-bit unsigned integer
Primary Ammunition	8-bit unsigned integer
Secondary Ammunition	8-bit unsigned integer
<i>Grouped Entity Description Record 2 - total size 192 bits</i>	

### 11.3.3.3. Grouped Entity Description record 3 - Basic Ground Combat Soldier

The specification of entity state information about an individual entity within a group of ground combat soldiers shall be represented by a Grouped Entity Description record 3 - Basic Ground Combat Soldier. The Grouped Entity Description record 3 shall contain the following fields:

- a. Entity Identifier. Each entity within a group shall be assigned an entity identifier unique within that group. The Site Identifier and Application Identifiers shall be the same as those designated in the Group Entity ID field, and shall not be transmitted. The Entity Identifier shall be represented by a 16-bit unsigned integer.
- b. Entity Location. Location of a grouped entity shall be specified by a set of three offsets: x-offset, y-offset, and z-offset. These offsets shall be determined by the difference, in meters, of the grouped entity from the Group Reference Point. Each offset shall be represented by a 16-bit signed integer.
- c. Entity Appearance. Appearance of a grouped entity shall be identical to that specified by an Entity State PDU Appearance record. This record shall be defined as a 32-bit record of enumerations (see 5.2.12 in IEEE Std 1278.1-1995). Values for the fields contained in this record are defined in Section 4 of this document.
- d. Entity Orientation. Orientation of a grouped entity shall be specified by three Euler angles, psi, theta and phi, in 25 milliradian increments. Each angle shall be represented by an 8-bit signed integer.

- e. Entity Speed. Speed of a grouped entity shall be the signed magnitude value of the entity's absolute velocity vector. A negative value shall indicate that the entity is moving backwards. Entity Speed shall be specified in meters per second and shall be represented by an 8-bit signed integer.
- f. Head Azimuth. Head Azimuth shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- g. Head Elevation. Head Elevation shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- h. Head Scan Rate. Head Scan Rate shall be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.
- i. Head Elevation Rate. Head Elevation Rate shall be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.

The format of the Grouped Entity Description record 3 - Basic Ground Combat Soldier shall be as shown in Table 11-3.

**Table 11-3. Grouped Entity Description Record 3**

Entity ID	16-bit unsigned integer
Entity Location	x-Offset - 16-bit unsigned integer
	y-Offset - 16-bit unsigned integer
	z-Offset - 16-bit unsigned integer
Entity Appearance	32-bit record of enumerations
Entity Orientation	Psi - 8-bit signed integer
	Theta - 8-bit signed integer
	Phi - 8-bit signed integer
Entity Speed	8-bit signed integer
Head Azimuth	8-bit signed integer
Head Elevation	8-bit signed integer
Head Scan Rate	8-bit signed integer
Head Elevation Rate	8-bit signed integer
<i>Grouped Entity Description Record 3 - total size 160 bits</i>	

#### 11.3.3.4. Grouped Entity Description record 4 - Enhanced Ground Combat Soldiers

The specification of entity state and logistics information about an individual entity within a group of ground combat soldiers shall be represented by a Grouped Entity Description record 4 - Enhanced Ground Combat Soldier. The Grouped Entity Description record 4 shall contain the following fields:

- a. Grouped Entity Description record 3 - Basic Ground Combat Soldier. See 11.3.3.3.
- b. Water Status. Water Status of a grouped entity shall be the amount of water on hand. Water Status shall be specified in one ounce increments, and shall be represented by an 8-bit unsigned integer.
- c. Rest Status. Rest Status of a grouped entity shall be represented by an 8-bit enumeration (see Section 11.3.2).
- d. Primary Ammunition. Primary Ammunition of a grouped entity shall be the amount of primary ammunition remaining. Primary Ammunition shall be specified in natural ammunition units for the primary weapon system, and shall be represented by an 8-bit unsigned integer.
- e. Secondary Ammunition. Secondary Ammunition of a grouped entity shall be the amount of secondary ammunition remaining. Secondary Ammunition shall be specified in natural ammunition units for the secondary weapon system, and shall be represented by an 8-bit unsigned integer.

The format of the Grouped Entity Description record 4 - Enhanced Ground Combat Soldier shall be as shown in Table 11-4.

**Table 11-4. Grouped Entity Description Record 4**

Grouped Entity Description record 3 - Basic Ground Combat Soldier	
Water Status	8-bit unsigned integer
Reset Status	8-bit unsigned integer
Primary Ammunition	8-bit unsigned integer
Secondary Ammunition	8-bit unsigned integer
<i>Grouped Entity Description Record 4 - total size 192 bits</i>	

### 11.3.3.5. Grouped Entity Description record 5 - Basic Rotor Wing Aircraft

The specification of entity state information about an individual entity within a group of rotor wing aircraft shall be represented by a Grouped Entity Description record 5 - Basic Rotor Wing Aircraft. The Grouped Entity Description record 5 shall contain the following fields:

- a. Entity Identifier. Each entity within a group shall be assigned an entity identifier unique within that group. The Site Identifier and Application Identifiers shall be the same as those designated in the Group Entity ID field, and shall not be transmitted. The Entity Identifier shall be represented by an unsigned 16-bit integer.
- b. Entity Location. Location of a grouped entity shall be specified by a set of three offsets: x-offset, y-offset, and z-offset. These offsets shall be determined by the difference, in meters, of the grouped entity from the Group Reference Point. Each offset shall be represented by a 16-bit signed integer.
- c. Entity Appearance. Appearance of a grouped entity shall be identical to that specified by an Entity State PDU Appearance record. This record shall be defined as a 32-bit record of enumerations (see 5.2.12 in IEEE Std 1278.1-1995). Values for the fields contained in this record are defined in Section 4 of this document.



- d. Entity Orientation. Orientation of a grouped entity shall be specified by three Euler angles, psi, theta and phi, in 25 milliradian increments. Each angle shall be represented by an 8-bit signed integer.
- e. Fuel Status. Fuel Status of a grouped entity shall be the amount of primary fuel remaining. Fuel Status shall be specified in natural units of the specific system, and shall be represented by an 8-bit unsigned integer.
- f. Movement Direction. Movement Direction shall be specified as a horizontal and a vertical deviation from the Entity Orientation. Each deviation shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- g. Movement Speed. Speed of a grouped entity shall be the signed magnitude value of the entity's absolute velocity vector. A negative value shall indicate that the entity is moving backwards. Entity Speed shall be specified in 0.1 meter per second increments and shall be represented by a 16-bit signed integer.
- h. Turret Azimuth. Turret Azimuth shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- i. Gun Elevation. Gun Elevation shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- j. Turret Slew Rate. Turret Slew Rate shall be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.
- k. Gun Elevation Rate. Gun Elevation Rate is to be specified in 25 milliradian per second increments, and shall be represented by an 8-bit signed integer.

The format of the Grouped Entity Description record 5 - Basic Rotor Wing Aircraft shall be as shown in Table 11-5.

**Table 11-5. Grouped Entity Description Record 5**

Entity ID	16-bit unsigned integer
Entity Location	x-Offset - 16-bit unsigned integer
	y-Offset - 16-bit unsigned integer
	z-Offset - 16-bit unsigned integer
Entity Appearance	32-bit record of enumerations
Entity Orientation	Psi - 8-bit signed integerr
	Theta - 8-bit signed integer
	Phi - 8-bit signed integerr
Fuel Status	8-bit signed integer
Movement Direction	Horizontal Deviation - 8-bit signed integer
	Vertical Deviation - 8-bit signed integer
Movement Speed	16-bit signed integer
Turret Azimuth	8-bit signed integer

Gun Elevation	8-bit signed integer
Turret Scan Rate	8-bit signed integer
Gun Elevation Rate	8-bit signed integer
<i>Grouped Entity Description Record 5 - total size 160 bits</i>	

### 11.3.3.6. Grouped Entity Description record 6 - Enhanced Rotary Wing Aircraft

The specification of entity state and logistics information about an individual entity within a group of rotor wing aircraft shall be represented by a Grouped Entity Description record 6 - Enhanced Rotor Wing Aircraft. The Grouped Entity Description record 6 shall contain the following fields:

- a. Grouped Entity Description record 5 - Basic Rotor Wing Aircraft. See 11.3.3.5.
- b. Supplemental Fuel Status. Supplemental Fuel Status of a grouped entity shall be the amount of supplemental fuel remaining. Supplemental Fuel Status shall be specified in the natural units of the specific system, and shall be represented by an 8-bit unsigned integer.
- c. Air Maintenance Status. Air Maintenance Status of a grouped entity shall be the time since the last maintenance was completed. Air Maintenance Status shall be specified in hours, and shall be represented by an 8-bit unsigned integer.
- d. Primary Ammunition. Primary Ammunition of a grouped entity shall be the amount of primary ammunition remaining. Primary Ammunition shall be specified in natural ammunition units for the primary weapon system, and shall be represented by an 8-bit unsigned integer.
- e. Secondary Ammunition. Secondary Ammunition of a grouped entity shall be the amount of secondary ammunition remaining. Secondary Ammunition shall be specified in natural ammunition units for the secondary weapon system, and shall be represented by an 8-bit unsigned integer.

The format of the Grouped Entity Description record 6 - Enhanced Rotor Wing Aircraft shall be as shown in Table 11-6.

**Table 11-6. Grouped Entity Description Record 6**

Grouped Entity Description record 5 - Basic Rotor Wing Aircraft	
Supplemental Fuel Status	8-bit unsigned integer
Air Maintenance Status	8-bit unsigned integer
Primary Ammunition	8-bit unsigned integer
Secondary Ammunition	8-bit unsigned integer
<i>Grouped Entity Description Record 6 - total size 224 bits</i>	

### 11.3.3.7. Grouped Entity Description record 7 - Basic Fixed Wing Aircraft

The specification of entity state information about an individual entity within a group of fixed wing aircraft shall be represented by a Grouped Entity Description record 7 - Basic Fixed Wing Aircraft. The Grouped Entity Description record 7 shall contain the following fields:

- a. Entity Identifier. Each entity within a group shall be assigned an entity identifier unique within that group. The Site Identifier and Application Identifiers shall be the same as those designated in the Group Entity ID field, and shall not be transmitted. The Entity Identifier shall be represented by a 16-bit integer.
- b. Entity Location. Location of a grouped entity shall be specified by a set of three offsets: x-offset, y-offset, and z-offset. These offsets shall be determined by the difference, in meters, of the grouped entity from the Group Reference Point. Each offset shall be represented by a 16-bit signed integer.
- c. Entity Appearance. Appearance of a grouped entity shall be identical to that specified by an Entity State PDU Appearance record. This record shall be defined as a 32-bit record of enumerations (see 5.2.12 in IEEE Std 1278.1-1995). Values for the fields contained in this record are defined in Section 4 of this document.
- d. Entity Orientation. Orientation of a grouped entity shall be specified by three Euler angles, psi, theta and phi, in 25 milliradian increments. Each angle shall be represented by an 8-bit signed integer.
- e. Fuel Status. Fuel Status of a grouped entity shall be the amount of primary fuel remaining. Fuel Status shall be specified in natural units of the specific system, and shall be represented by an 8-bit unsigned integer.
- f. Movement Direction. Movement Direction shall be specified as a horizontal and a vertical deviation from the Entity Orientation. Each deviation shall be specified in 25 milliradian increments, and shall be represented by an 8-bit signed integer.
- g. Movement Speed. Speed of a grouped entity shall be a signed magnitude value of the entity's absolute velocity vector. A negative value shall indicate that the entity is moving backwards. Movement Speed shall be specified in 0.1 meter per second increments, and shall be represented by a 16-bit signed integer.

The format of the Grouped Entity Description record 7 - Basic Fixed Wing Aircraft shall be as shown in Table 11-7.

**Table 11-7. Grouped Entity Description Record 7**

Entity ID	16-bit unsigned integer
Entity Location	x-Offset - 16-bit unsigned integer
	y-Offset - 16-bit unsigned integer
	z-Offset - 16-bit unsigned integer
Entity Appearance	32-bit record of enumerations
Entity Orientation	Psi - 8-bit signed integer
	Theta - 8-bit signed integer

	Phi - 8-bit signed integerr
Fuel Status	8-bit signed integer
Movement Direction	Horizontal Deviation - 8-bit signed integer
	Vertical Deviation - 8-bit signed integer
Movement Speed	16-bit signed integer
<i>Grouped Entity Description Record 7 - total size 160 bits</i>	

### 11.3.3.8. Grouped Entity Description record 8 - Enhanced Fixed Wing Aircraft

The specification of entity state and logistics information about an individual entity within a group of fixed wing aircraft shall be represented by a Grouped Entity Description record 8 - Enhanced Fixed Wing Aircraft. Grouped Entity Description record 8 shall contain the following fields:

- a. Grouped Entity Description record 7 - Basic Fixed Wing Aircraft. See 11.3.3.7.
- b. Supplemental Fuel Status. Supplemental Fuel Status of a grouped entity shall be the amount of supplemental fuel remaining. Supplemental Fuel Status shall be specified in the natural units of the specific system, and shall be represented by an 8-bit unsigned integer.
- c. Air Maintenance Status. Air Maintenance Status of a grouped entity shall be the time since the last maintenance was completed. Air Maintenance Status shall be specified in hours, and shall be represented by an 8-bit unsigned integer.
- d. Primary Ammunition. Primary Ammunition of a grouped entity shall be the amount of primary ammunition remaining. Primary Ammunition shall be specified in natural ammunition units for the primary weapon system, and shall be represented by an 8-bit unsigned integer.
- e. Secondary Ammunition. Secondary Ammunition of a grouped entity shall be the amount of secondary ammunition remaining. Secondary Ammunition shall be specified in natural ammunition units for the secondary weapon system, and shall be represented by an 8-bit unsigned integer.

The format of the Grouped Entity Description record 8 - Enhanced Fixed Wing Aircraft shall be as shown in Table 11-8.

**Table 11-8. Grouped Entity Description Record 8**

Grouped Entity Description record 7 - Basic Fixed Wing Aircraft	
Supplemental Fuel Status	8-bit unsigned integer
Air Maintenance Status	8-bit unsigned integer
Primary Ammunition	8-bit unsigned integer
Secondary Ammunition	8-bit unsigned integer
<i>Grouped Entity Description Record 8 - total size 192 bits</i>	

### 11.3.3.9. Grouped Entity Description record 9 - Ground Logistics Vehicle

The specification of entity state information about an individual entity within a group of ground logistics vehicles shall be represented by a Grouped Entity Description record 9 - Ground Logistics Vehicle. The Grouped Entity Description record 9 shall contain the following fields:

- a. Entity Identifier. Each entity within a group shall be assigned an entity identifier unique within that group. The Site Identifier and Application Identifiers shall be the same as those designated in the Group Entity ID, and shall not be transmitted. The Entity Identifier shall be represented by a 16-bit integer.
- b. Entity Location. Location of a grouped entity shall be specified by a set of three offsets: x-offset, y-offset, and z-offset. These offsets shall be determined by the difference, in meters, of the grouped entity from the Group Reference Point. Each offset shall be represented by a 16-bit signed integer.
- c. Entity Appearance. Entity Appearance of a grouped entity shall be identical to that specified by an Entity State PDU Appearance record. This record shall be defined as a 32-bit record of enumerations (see 5.2.12 in IEEE Std 1278.1-1995). Values for the fields contained in this record are defined in Section 4 of this document.
- d. Entity Orientation. Orientation of a grouped entity shall be specified by three Euler angles, psi, theta and phi, in 25 milliradian increments. Each angle shall be represented by an 8-bit signed integer.
- e. Entity Speed. Speed of a grouped entity shall be the signed magnitude value of the entity's absolute velocity vector. A negative value shall indicate that the entity is moving backwards. Entity Speed shall be specified in meters per second, and shall be represented by an 8-bit signed integer.

The format of the Grouped Entity Description record 9 - Ground Logistics Vehicle shall be as shown in Table 11-9.

**Table 11-9. Grouped Entity Description Record 9**

Entity ID	16-bit unsigned integer
Entity Location	x-Offset - 16-bit unsigned integer
	y-Offset - 16-bit unsigned integer
	z-Offset - 16-bit unsigned integer
Entity Appearance	32-bit record of enumerations
Entity Orientation	Psi - 8-bit signed integerr
	Theta - 8-bit signed integer
	Phi - 8-bit signed integerr
Entity Speed	16-bit signed integer
<i>Grouped Entity Description Record 9 - total size 128 bits</i>	

## 11.4. Transfer Control PDU

### 11.4.1. Transfer Type

This section specifies the 8-bit enumeration for the Transfer Type field of the Transfer Control PDU.

Field Value	Description
0	Other
1	Controlling application requests transfer of an entity
2	Application desiring control requests transfer of an entity
3	Mutual exchange / swap of an entity
4	Controlling application requests transfer of an environmental process
5	Application desiring controls requests transfer of an environmental process
6	Mutual exchange / swap of an environmental
7	Cancel transfer

# Chapter 12. Environment family

## 12.1. Point, Linear, Areal Object State PDU

### 12.1.1. Object Type record

This section specifies the 32-bit enumerations for the Object Type record of the Point Object, Linear Object and Areal Object State PDUs. Object Types are arranged in a hierarchical order.

#### 12.1.1.1. Domain

The domain enumerations are the same as used for the Entity Type record (see Section 4.2).

#### 12.1.1.2. Object Kind

This section specifies the 8-bit enumeration for the Object Kind field.

Field Value	Description
0	Other
1	Obstacle
2	Prepared position
3	Cultural feature
4	Passageway
5	Tactical smoke
6	Obstacle marker
7	Obstacle breach

#### 12.1.1.3. Point Object State PDU Object Types

Field Value	Description
0.5	
0.5.0	Other
0.5.1	Ground burst
0.5.1.0	Other
0.5.1.1	Artillery
0.5.2	Air burst
0.5.2.0	Other

Field Value	Description
0.5.2.1	Grenade
1.1	
1.1.0	Other
1.1.1	Abatis
1.1.1.0	Other
1.1.1.1	8 tree
1.1.1.2	14 tree
1.1.2	Log Crib
1.1.2.0	Other
1.1.2.1	Rectangular
1.1.2.2	Triangular
1.1.3	Crater
1.1.3.0	Other
1.1.3.1	Small
1.1.3.2	Medium
1.1.3.3	Large
1.2	
1.2.0	Other
1.2.1	Vehicle defilade
1.2.1.0	Other
1.2.1.1	Armored vehicle
1.2.1.2	Fighting vehicle
1.2.1.3	Mortar carrier
1.2.1.4	Tank
1.2.2	Infantry fighting position
1.2.2.0	Other
1.2.2.1	Covered machine gun bunker
1.2.2.2	Overhead covered infantry position
1.2.2.3	Non-covered infantry position
1.2.2.4	Non-covered machine gun bunker
1.2.2.5	Hasty fighting position
1.3	
1.3.0	Other
1.3.1	Building / structure
1.3.1.0	Other
1.3.1.1	Church
1.3.1.2	Apartment building
1.3.1.3	Government building
1.3.1.4	Industrial building



Field Value	Description
1.3.1.5	Hanger
1.3.1.6	Microwave tower
1.3.1.7	Power pylon
1.3.1.8	Radio / TV tower
1.3.1.9	School
1.3.1.10	Transformer yard
1.3.2	Building rubble
1.3.2.0	Other
1.4	
1.4.0	Other
1.4.1	Stationary bridge
1.4.1.0	Other
1.4.1.1	2-lane
1.4.1.2	4-lane
1.4.2	AVLB
1.4.2.0	Other
1.4.2.1	M60A1
1.4.2.2	MTU20
1.4.3	Ribbon bridge
1.4.3.0	Other
1.4.3.1	2-lane
1.4.3.2	4-lane

#### 12.1.1.4. Linear Object State PDU Object Types

Field Value	Description
0.5	
0.5.0	Other
0.5.1	Exhaust smoke
0.5.1.0	Other
1.1	
1.1.0	Other
1.1.1	Tank ditch
1.1.1.0	Other
1.1.2	Concertina wire
1.1.2.0	Other
1.1.2.1	2-roll
1.1.2.2	3-roll

Field Value	Description
1.6	
1.6.0	Other
1.6.2	Minefield lane marker
1.6.2.0	Other
1.7	
1.7.0	Other
1.7.1	Breach
1.7.1.0	Other

#### 12.1.1.5. Areal Object State PDU Object Types

Field Value	Description
0.1	
0.1.0	Other
0.1.1	Minefield
0.1.1.0	Other
0.1.1.1	Hasty
0.1.1.2	Prepared
0.1.1.3	Scattered
0.1.1.4	Solitary

### 12.1.2. Appearance record

This section specifies the 48-bit enumeration for the Appearance record of the Point Object, Linear Object, and Areal Object State PDUs. This field consists of a general part comprising the lower 16 bits, and a PDU specific portion comprising the remaining 32 bits.

#### 12.1.2.1. General

Name	Bits	Purpose
% complete	7 - 0	8-bit unsigned integer indicating the percent completion of the object (0..100)
Damage	9 - 8	Describes the damaged appearance of the object
		0      No damage
		1      Damaged
		2      Destroyed

Name	Bits	Purpose	
		3	(Unused)
Predistributed	10	Describes whether the object was predistributed	
		0	Object created during the exercise
		1	Object predistributed prior to exercise start
State	11	Describes the state of the object	
		0	Active
		1	Deactivated
Smoking	12	Describes whether smoke is rising from an object	
		0	None
		1	Smoke present
Flaming	13	Describes whether flames are rising from an object	
		0	None
		1	Flames present
	15 - 14	(Unused)	

### 12.1.2.2. Point Object State PDU Appearance Records

The upper 32 bits of the Point Object Appearance field are defined specifically for each category. The following sections describe the specific bit definitions for all categories.

#### 12.1.2.2.1. Building / structure, Building rubble, Stationary bridge, and AVLB

The upper 32 bits of the Point Object Appearance field for categories Building / structure, Building rubble, Stationary bridge, and AVLB are defined as follows:

Name	Bits	Purpose
	47 - 16	(Unused)

#### 12.1.2.2.2. Log crib, Abatis, Vehicle defilade, and Infantry fighting position

The upper 32 bits of the Point Object Appearance field for the categories Log crib, Abatis, Vehicle defilade, and Infantry fighting position are defined as follows:

Name	Bits	Purpose
------	------	---------

Name	Bits	Purpose
Breach	17 - 16	Describes the breached appearance of the object
		0 No breaching
		1 Breached
		2 Cleared
		3 (Unused)
	47 - 18	(Unused)

#### 12.1.2.2.3. Air burst, Ground burst

The upper 32 bits of the Point Object Appearance field for the categories Air burst and Ground burst are defined as follows:

Name	Bits	Purpose
Opacity	23 - 16	8-bit unsigned integer indicating the percent opacity of the smoke, ranging from 0% opacity to 100% opacity
Size	31 - 24	8-bit unsigned integer indicating the radius of the cylinder which approximates an individual burst. The Point Object Location field indicates the center of the bottom of the cylinder for individual bursts. For multiple bursts, the center bottom of each cylinder is calculated based on the model used to represent the multiple bursts.
Height	39 - 32	8-bit unsigned integer indicating the height of the cylinder which approximates an individual burst. The Point Object Location field indicates the center of the bottom of the cylinder for individual bursts. For multiple bursts, the center bottom of each cylinder is calculated based on the model used to represent the multiple bursts
Num. of Bursts	45 - 40	6-bit unsigned integer indicating the number of bursts in the instance of tactical smoke
Chemical	47 - 46	Describes the chemical content of the smoke
		0 Other
		1 Hydrochloric
		2 White phosphorous
		3 Red phosphorous

#### 12.1.2.2.4. Crater

The upper 32 bits of the Point Object Appearance field for the category Crater are defined as follows:

Name	Bits	Purpose
Size	23 - 16	8-bit unsigned integer indicating the diameter of the crater, where the center of the crater is at the Point Object Location
	47 - 24	(Unused)

#### 12.1.2.2.5. Ribbon Bridge

The upper 32 bits of the Point Object Appearance field for the category Ribbon bridge are defined as follows:

Name	Bits	Purpose
Num. of Segments	23 - 16	8-bit unsigned integer indicating the number of segments composing the ribbon bridge
	47 - 24	(Unused)

### 12.1.2.3. Linear Object State PDU Appearance Records

The upper 32 bits of the Linear Object Appearance field are defined specifically for each category. The following sections describe the specific bit definitions for all categories.

#### 12.1.2.3.1. Tank ditch, and Concertina Wire

The upper 32 bits of the Linear Object Appearance field for the categories Tank ditch and Concertina wire are defined as follows

Name	Bits	Purpose
Breach	17 - 16	Describes the breached appearance of the object
		0      No breaching
		1      Slight breaching
		2      Moderate breached
		3      Cleared
	31 - 18	(Unused)
Breach Length	39 - 32	8-bit unsigned integer indicating the fixed length of a breached segment. The 8 bits which follow indicate whether a segment of length = Breach Length is breached or not.

Name	Bits	Purpose
Breach Location	47 - 40	Each bit indicates whether its associated segment is breached or not. Bit 40+i indicates whether the portion of the segment beginning at the segment origin + (i*Breach Length) and extending i* Breach Length meters is breached or not. For each bit:
		0 Associated portion of segment is not breached
		1 Associated portion of segment is breached

#### 12.1.2.3.2. Exhaust smoke

The upper 32 bits of the Linear Object Appearance field for the category Exhaust smoke are defined as follows:

Name	Bits	Purpose
Opacity	23 - 16	8-bit unsigned integer indicating the percent opacity of the smoke, ranging from 0% opacity to 100% opacity
Attached	24	Describes whether the smoke is attached to the vehicle
		0 Not attached
		1 Attached
Chemical	26 - 25	Describes the chemical content of the smoke
		0 Other
		1 Hydrochloric
		2 White phosphorous
		3 Red phosphorous
	47 - 27	(Unused)

#### 12.1.2.3.3. Minefield Lane Marker

The upper 32 bits of the Linear Object Appearance field for the category Minefield lane marker are defined as follows:

Name	Bits	Purpose
Visible Side	17 - 16	Describes the side of the lane marker which is visible.
		0 Left side is visible
		1 Right side is visible
		2 Both sides are visible
		3 (Unused)

Name	Bits	Purpose
	47 - 18	(Unused)

#### 12.1.2.3.4. Breach

The upper 32 bits of the Linear Object Appearance field for the category Breach are defined as follows:

Name	Bits	Purpose
	47 - 16	(Unused)

### 12.1.2.4. Areal Object State PDU Appearance Records

The upper 32 bits of the Areal Object Appearance field are defined specifically for each category. The following sections describe the specific bit definitions for all categories.

#### 12.1.2.4.1. Minefield

The upper 32 bits of the Areal Object Appearance field for the category Minefield are defined as follows:

Name	Bits	Purpose
Breach	17 - 16	Describes the breached appearance of the object
		0 No breaching
		1 Breached
		2 Cleared
		3 (Unused)
	30 - 18	(Unused)
Mine Count	47 - 31	16-bit unsigned integer indicating the number of mines in the minefield

### 12.1.3. Modification field

#### 12.1.3.1. Point Object State PDU Modification Field

This section specifies the 8-bit enumerations for the Modification field of the Point Object State PDU. The bits are defined as follows:

Name	Bits	Purpose
Location	0	Describes whether the point object location has been modified since the last update number.
		0 Location has not been modified
		1 Location has been modified
Orientation	1	Describes whether the point object orientation has been modified since the last update number
		0 Orientation has not been modified
		1 Orientation has been modified
	7 - 2	(Unused)

### 12.1.3.2. Linear Object State PDU Modification Field

This section specifies the 8-bit enumerations for the Segment Modification field of the Linear Segment Parameter record of the Linear Object State PDU. The bits are defined as follows:

Name	Bits	Purpose
Location	0	Describes whether the location of the linear segment has been modified since the last update number.
		0 Location has not been modified
		1 Location has been modified
Orientation	1	Describes whether the orientation of the linear segment has been modified since the last update number.
		0 Orientation has not been modified
		1 Orientation has been modified
	7 - 2	(Unused)

### 12.1.3.3. Areal Object State PDU Modification Field

This section specifies the 8-bit enumerations for the Modification field of the Areal Object State PDU. The bits are defined as follows:

Name	Bits	Purpose
Location	0	Describes whether any locations of the areal object have been modified since the last update number.
		0 No locations have been modified
		1 Locations have been modified
	7 - 1	(Unused)



## 12.2. Gridded Data PDU

### 12.2.1. Field Number

This section specifies the 16-bit enumeration for the Field Number field of the Grid Data Record

Field Value	Description
0	(Unused)

### 12.2.2. Coordinate System

This section specifies the 16-bit enumeration for the Coordinate System field of the Grid Data Record.

Field Value	Description
0	Right handed Cartesian (local topographic projection: east, north, up)
1	Left handed Cartesian (local topographic projection: east, north, down)
2	Latitude, Longitude, Height
3	Latitude, Longitude, Depth

### 12.2.3. Constant Grid

This section specifies the 8-bit enumeration for the Constant Grid field of the Grid Data Record.

Field Value	Description
0	Constant grid
1	Updated grid

### 12.2.4. Sample Type

This section specifies the 16-bit enumeration for the Sample Type field of the Grid Data Record.

Field Value	Description
0	(Unused)

### 12.2.5. Data Representation

This section specifies the 16-bit enumeration for the Data Representation field of the Grid Data Record.

Field Value	Description
0	Type 0
1	Type 1
2	Type 2

## 12.3. Environmental Process PDU

### 12.3.1. Model Type

This section specifies the 8-bit enumeration for the Model Type field.

Field Value	Description
0	(Unused)

### 12.3.2. Environment Status

This section specifies the 8-bit Boolean array for the Environment Status. Any individual bit set to one indicates that the Environmental Process has the corresponding status.

Name	Bits	Purpose
Last	0	Indicates that the current PDU shall be the last PDU for the specified process
On	1	Indicates that the specified environmental process is active
	7 - 2	(Unused)

### 12.3.3. Type

This section specifies the 32-bit enumerations for the Type field of the Environment record for both the Geometry and State records.

#### 12.3.3.1. Type field values for Geometry record

Field Value	Description
655360	Point Record 1
167772160	Point Record 2
786432	Line Record 1
201326592	Line Record 2
65536	Bounding Sphere Record
851968	Sphere Record 1
218103808	Sphere Record 2
1048576	Ellipsoid Record 1
268435456	Ellipsoid Record 2
3145728	Cone Record 1
805306368	Cone Record 2
327680	Uniform Geometry Record
5242880	Rectangular Volume Record 1
1342177280	Rectangular Volume Record 2
1610612736	Gaussian Plume Record
1879048192	Gaussian Puff Record
83886080	Rectangular Volume Record 3

### 12.3.3.2. Type field values for State record

Field Value	Description
256	COMBIC State
259	Flare State

## 12.3.4. Geometry record

This section contains the definition of the Geometry records of the Environment record.

### 12.3.4.1. Point Record 1

**Table 12-1. Point Record 1**

Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
<i>Point Record 1 - total size 192 bits</i>	

**12.3.4.2. Point Record 2****Table 12-2. Point Record 2**

Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
<i>Point Record 2 - total size 288 bits</i>	

**12.3.4.3. Line Record 1****Table 12-3. Line Record 1**

Start Point Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
End Point Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
<i>Line Record 1 - total size 384 bits</i>	

**12.3.4.4. Line Record 2****Table 12-4. Line Record 2**

Start Point Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
End Point Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Start Point Velocity	x-component - 32 bit floating point

End Point Velocity	y-component - 32 bit floating point
	z-component - 32 bit floating point
	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
<i>Line Record 2 - total size 576 bits</i>	

### 12.3.4.5. Bounding Sphere Record

**Table 12-5. Bounding Sphere Record**

Centroid Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Radius	32 bit floating point
<i>Bounding Sphere Record - total size 224 bits</i>	

### 12.3.4.6. Sphere Record 1

**Table 12-6. Sphere Record 1**

Centroid Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Radius	32 bit floating point
<i>Sphere Record 1 - total size 224 bits</i>	

### 12.3.4.7. Sphere Record 2

**Table 12-7. Sphere Record 2**

Centroid Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Radius	32 bit floating point

d(Radius)/dt	32 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
Angular Velocity	About x-axis - 32 bit floating point
	About y-axis - 32 bit floating point
	About z-axis - 32 bit floating point
<i>Sphere Record 2 - total size 448 bits</i>	

#### 12.3.4.8. Ellipsoid Record 1

**Table 12-8. Ellipsoid Record 1**

Centroid Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Sigma X	32 bit floating point
Sigma Y	32 bit floating point
Sigma Z	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
<i>Ellipsoid Record 1 - total size 384 bits</i>	

#### 12.3.4.9. Ellipsoid Record 2

**Table 12-9. Ellipsoid Record 2**

Centroid Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Sigma X	32 bit floating point
Sigma Y	32 bit floating point
Sigma Z	32 bit floating point

d(Sigma X)/dt	32 bit floating point
d(Sigma Y)/dt	32 bit floating point
d(Sigma Z)/dt	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
Angular Velocity	About x-axis - 32 bit floating point
	About y-axis - 32 bit floating point
	About z-axis - 32 bit floating point
<i>Ellipsoid Record 2 - total size 672 bits</i>	

### 12.3.4.10. Cone Record 1

**Table 12-10. Cone Record 1**

Vertex Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Height	32 bit floating point
Peak Angle	32 bit floating point
<i>Cone Record 1 - total size 352 bits</i>	

### 12.3.4.11. Cone Record 2

**Table 12-11. Cone Record 2**

Vertex Location	x-component - 64 bit floating point
	y-component - 64 bit floating point

Orientation	z-component - 64 bit floating point
	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
Angular Velocity	About x-axis - 32 bit floating point
	About y-axis - 32 bit floating point
	About z-axis - 32 bit floating point
Height	32 bit floating point
d(Height)/dt	32 bit floating point
Peak Angle	32 bit floating point
d(Peak Angle)/dt	32 bit floating point
<i>Cone Record 2 - total size 608 bits</i>	

### 12.3.4.12. Rectangular Volume Record 1

**Table 12-12. Rectangular Record 1**

Corner Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Length X	32 bit floating point
Length Y	32 bit floating point
Length Z	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
<i>Rectangular Record 1 - total size 384 bits</i>	



### 12.3.4.13. Rectangular Volume Record 2

**Table 12-13. Rectangular Record 2**

Corner Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Length X	32 bit floating point
Length Y	32 bit floating point
Length Z	32 bit floating point
d(Length X)/dt	32 bit floating point
d(Length Y)/dt	32 bit floating point
d(Length Z)/dt	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
Angular Velocity	About x-axis - 32 bit floating point
	About y-axis - 32 bit floating point
	About z-axis - 32 bit floating point
<i>Rectangular Record 2 - total size 672 bits</i>	

### 12.3.4.14. Gaussian Plume Record

**Table 12-14. Gaussian Plume Record**

Source Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Plume Length	32 bit floating point

Plume Width	32 bit floating point
Plume Height	32 bit floating point
d(Plume Length)/dt	32 bit floating point
d(Plume Width)/dt	32 bit floating point
d(Plume Height)/dt	32 bit floating point
Leading Edge Centroid Height	32 bit floating point
Leading Edge Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
<i>Gaussian Plume Record - total size 608 bits</i>	

### 12.3.4.15. Gaussian Puff Record

**Table 12-15. Gaussian Puff Record**

Puff Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Origination Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Sigma X	32 bit floating point
Sigma Y	32 bit floating point
Sigma Z	32 bit floating point
d(Sigma X)/dt	32 bit floating point
d(Sigma Y)/dt	32 bit floating point
d(Sigma Z)/dt	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
Velocity	x-component - 32 bit floating point
	y-component - 32 bit floating point
	z-component - 32 bit floating point
Angular Velocity	About x-axis - 32 bit floating point

Centroid Height	About y-axis - 32 bit floating point
	About z-axis - 32 bit floating point
	32 bit floating point
<i>Gaussian Puff Record - total size 896 bits</i>	

### 12.3.4.16. Uniform Geometry Record

**Table 12-16. Uniform Geometry Record**

Field 1 = 0	8 bit unsigned integer
<i>Uniform Geometry Record - total size 8 bits</i>	

### 12.3.4.17. Rectangular Volume Record 3

**Table 12-17. Rectangular Record 3**

Corner Location	x-component - 64 bit floating point
	y-component - 64 bit floating point
	z-component - 64 bit floating point
Length X	32 bit floating point
Length Y	32 bit floating point
Length Z	32 bit floating point
Orientation	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
<i>Rectangular Record 3 - total size 388 bits</i>	

## 12.3.5. State record

This section contains the definition of the State records of the Environment record.

### 12.3.5.1. COMBIC State

**Table 12-18. COMBIC State**

--

Time Since Creation	32 bit unsigned integer
Munition Source	Entity Kind - 8 bit enumeration
	Domain - 8 bit enumeration
	Country - 16 bit enumeration
	Category - 8 bit enumeration
	Subcategory - 8 bit enumeration
	Specific - 8 bit enumeration
	Extra - 8 bit enumeration
Number of Sources	32 bit integer
Geometry Index	16 bit unsigned integer
Padding	16 bits unused
Source Type	32 bit floating point
Barrage Rate	32 bit floating point
Barrage Duration	32 bit floating point
Barrage Crosswind Length	32 bit floating point
Barrage Downwind Length	32 bit floating point
Detonation Velocity	Psi - 32 bit floating point
	Theta - 32 bit floating point
	Phi - 32 bit floating point
<i>COMBIC State - total size 416 bits</i>	

### 12.3.5.2. Flare State

**Table 12-19. Flare State**

Time Since Creation	32 bit unsigned integer
Munition Source	Entity Kind - 8 bit enumeration
	Domain - 8 bit enumeration
	Country - 16 bit enumeration
	Category - 8 bit enumeration
	Subcategory - 8 bit enumeration
	Specific - 8 bit enumeration
	Extra - 8 bit enumeration
Number Intensity	32 bit integer
Number of Sources	32 bit integer
Geometry Index	16 bit unsigned integer

<i>Flare State - total size 176 bits</i>
--