SSRF Version 3.0 Diagrams

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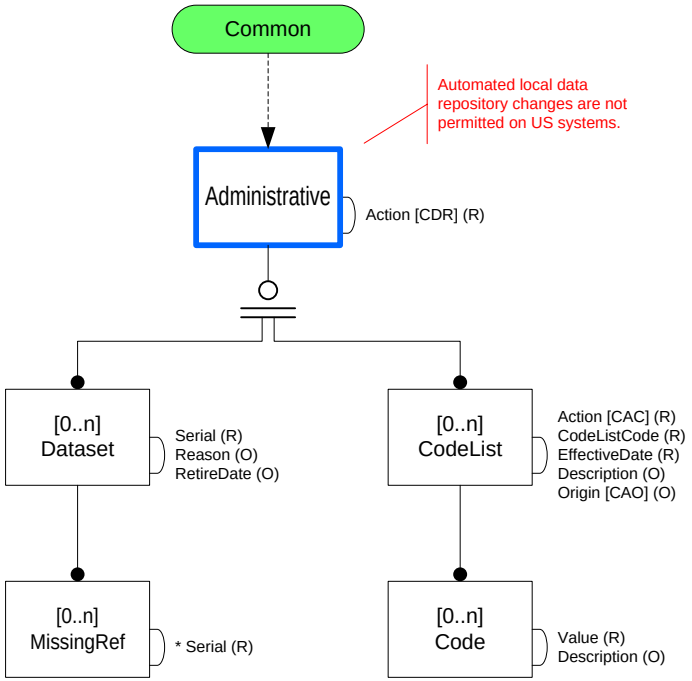
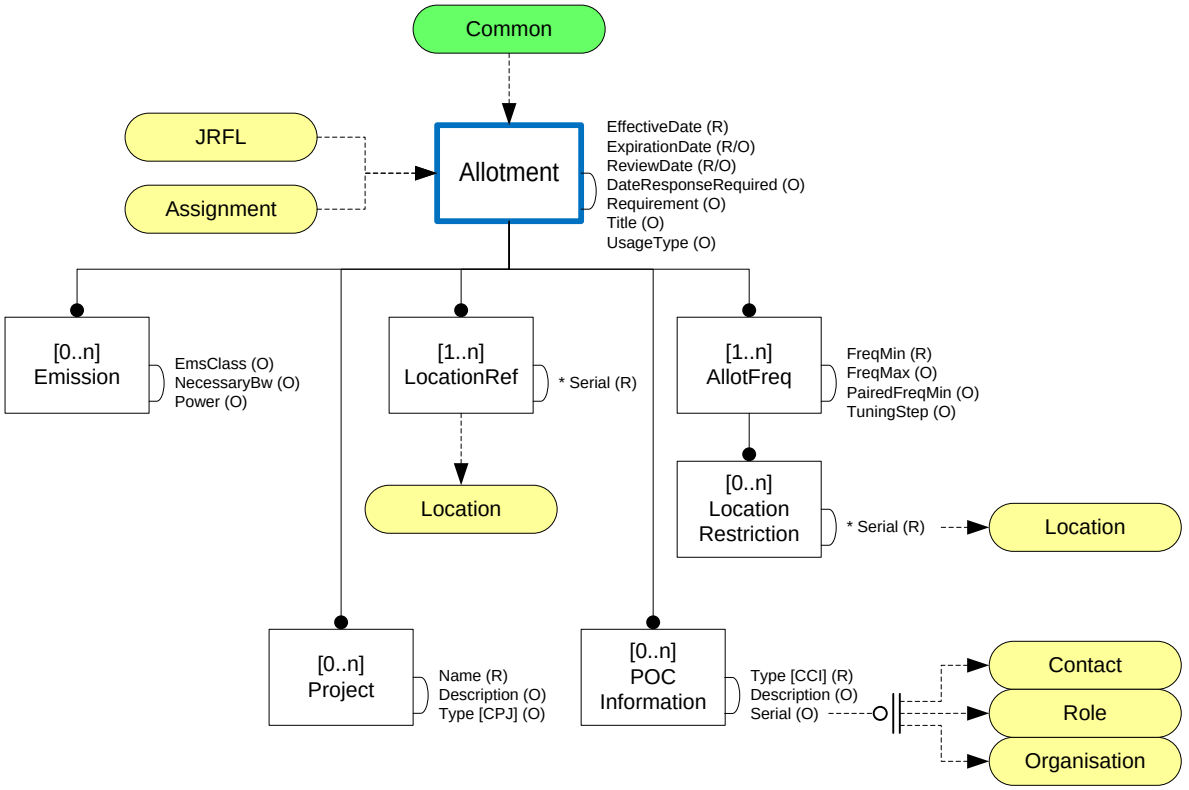
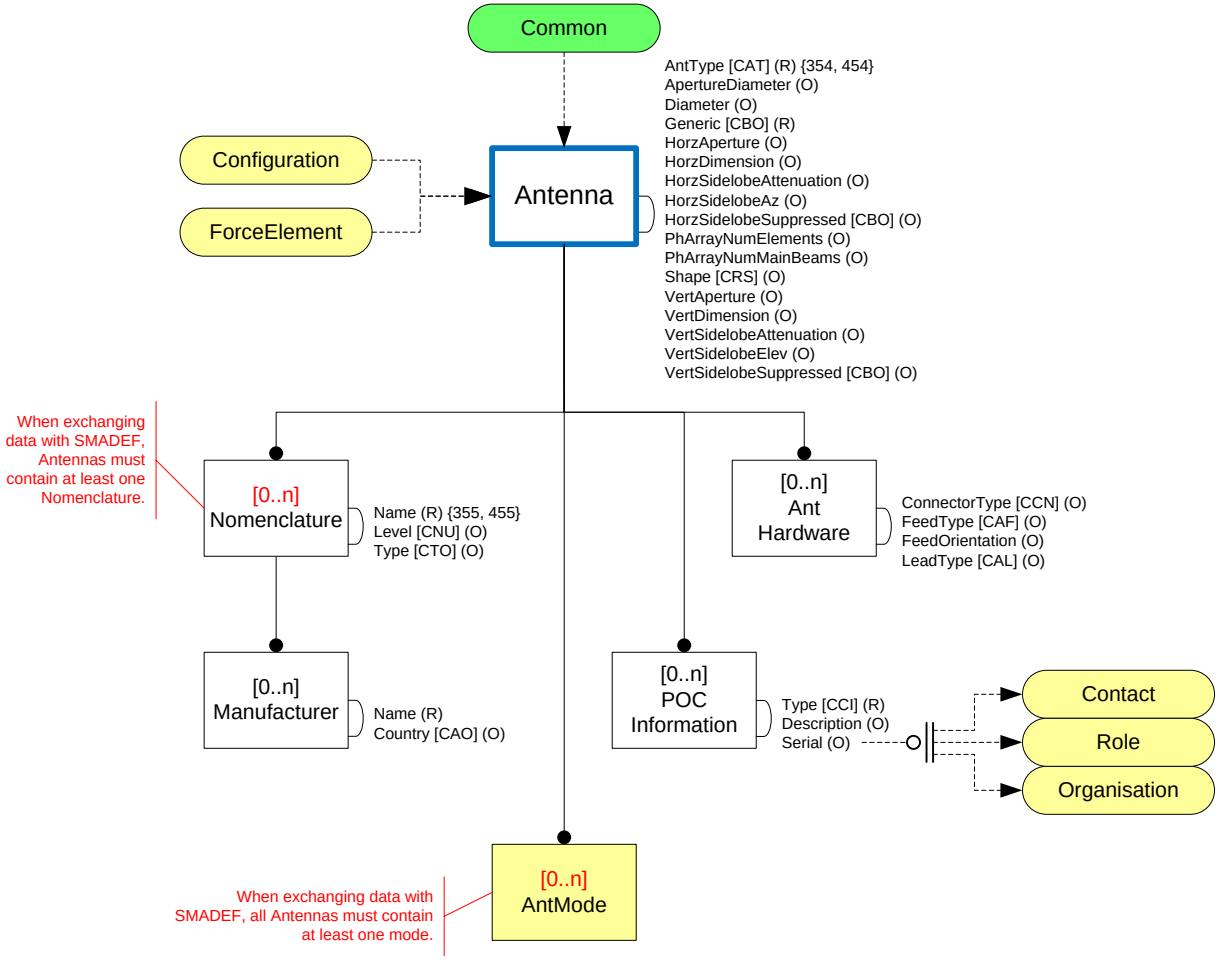
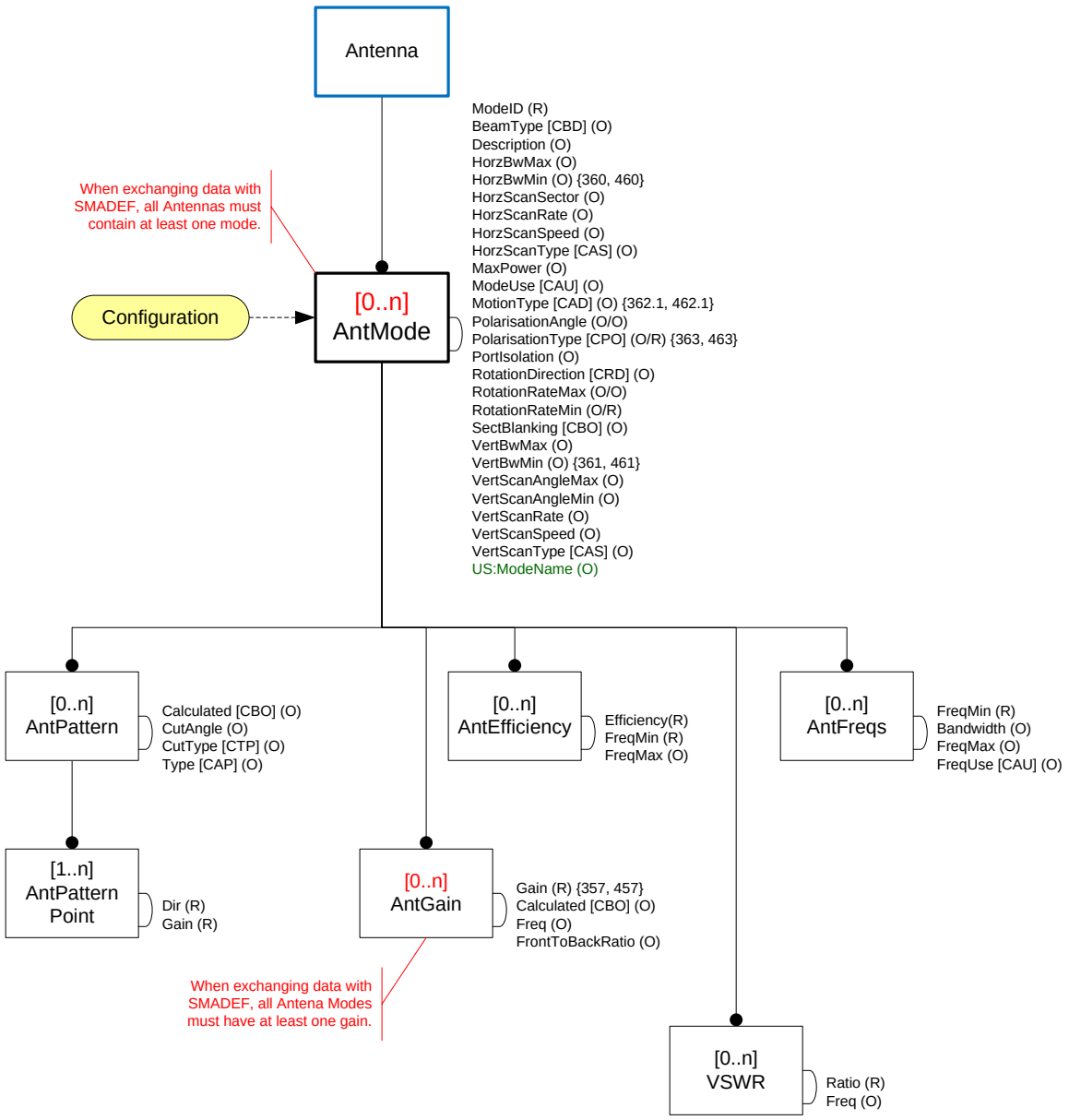
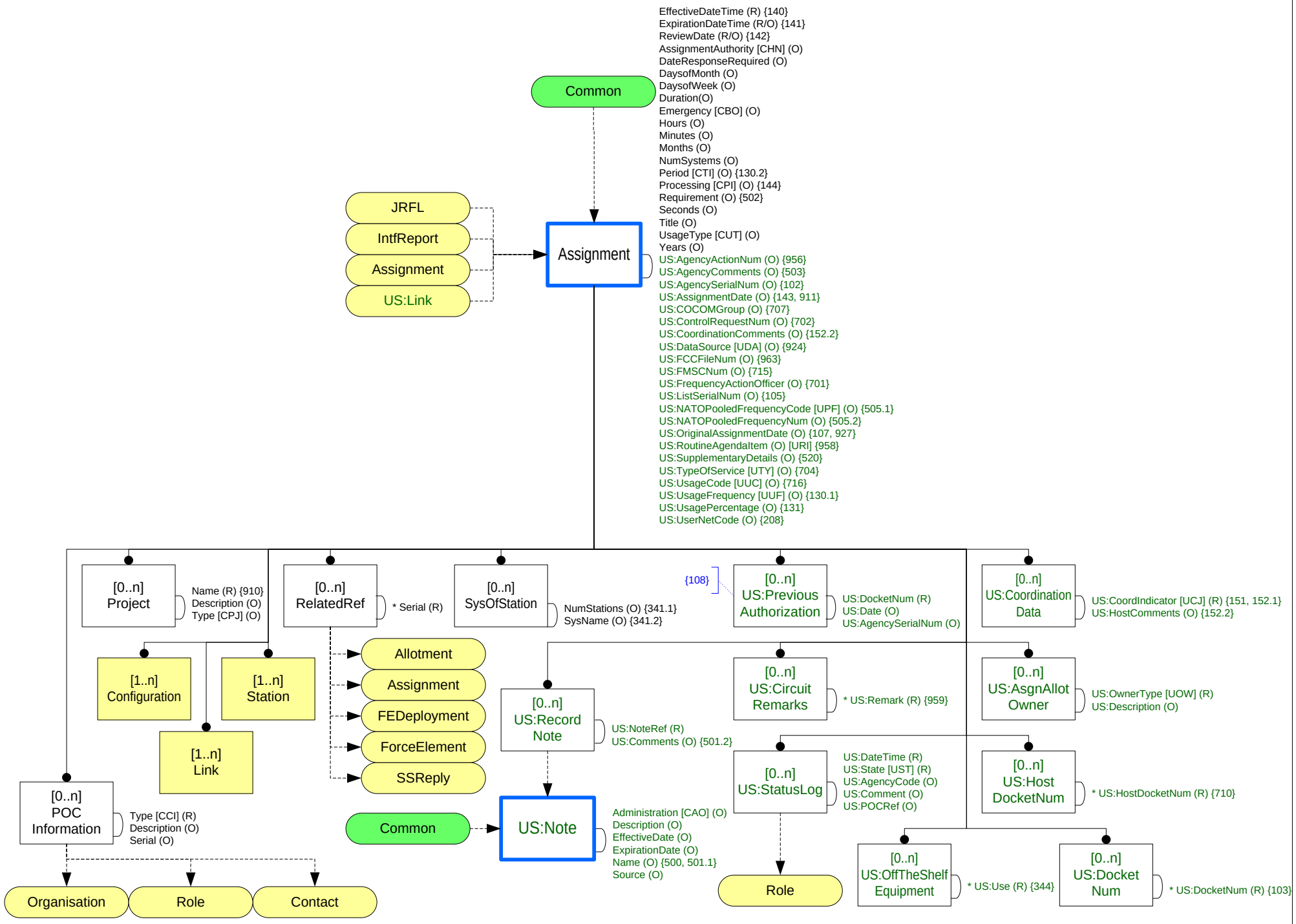

Common
Automated local data repository changes are not permitted on US systems.
Administrative
Action [CDR] (R)
[0..n] Dataset
Serial (R)
Reason (O)
RetireDate (O)
[0..n] CodeList
Action [CAC] (R)
CodeListCode (R)
EffectiveDate (R)
Description (O)
Origin [CAO] (O)
[0..n] MissingRef
* Serial (R)
[0..n] Code
Value (R)
Description (O)


Common
JRFL
Assignment
Allotment
EffectiveDate (R)
ExpirationDate (R/O)
ReviewDate (R/O)
DateResponseRequired (O)
Requirement (O)
Title (O)
UsageType (O)
[0..n]
Emission
EmsClass (O)
NecessaryBw (O)
Power (O)
[1..n]
LocationRef
* Serial (R)
Location
[1..n]
AllotFreq
FreqMin (R)
FreqMax (O)
PairedFreqMin (O)
TuningStep (O)
[0..n]
Location
Restriction
* Serial (R)
Location
[0..n]
Project
Name (R)
Description (O)
Type [CPJ] (O)
[0..n]
POC
Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation

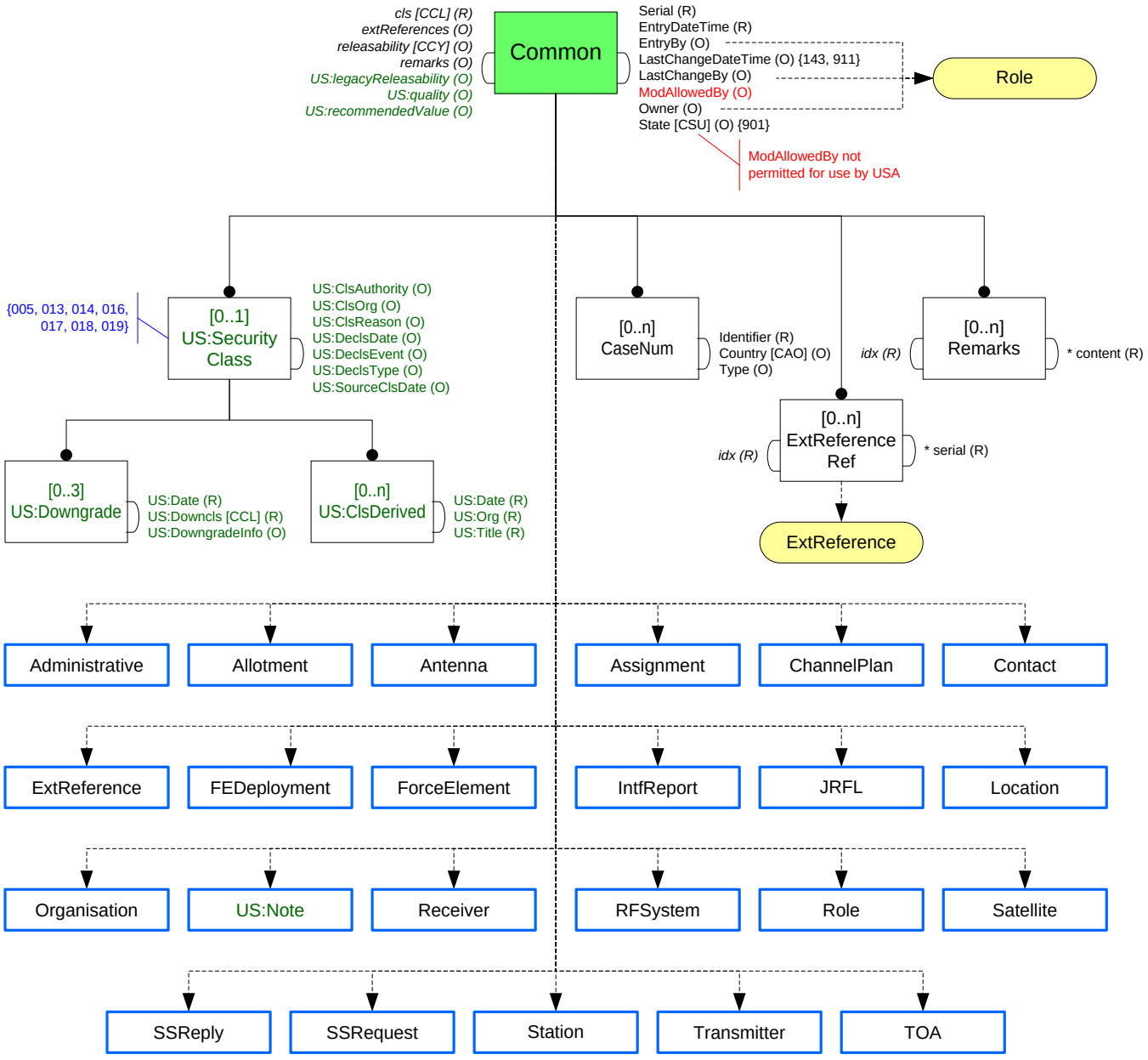


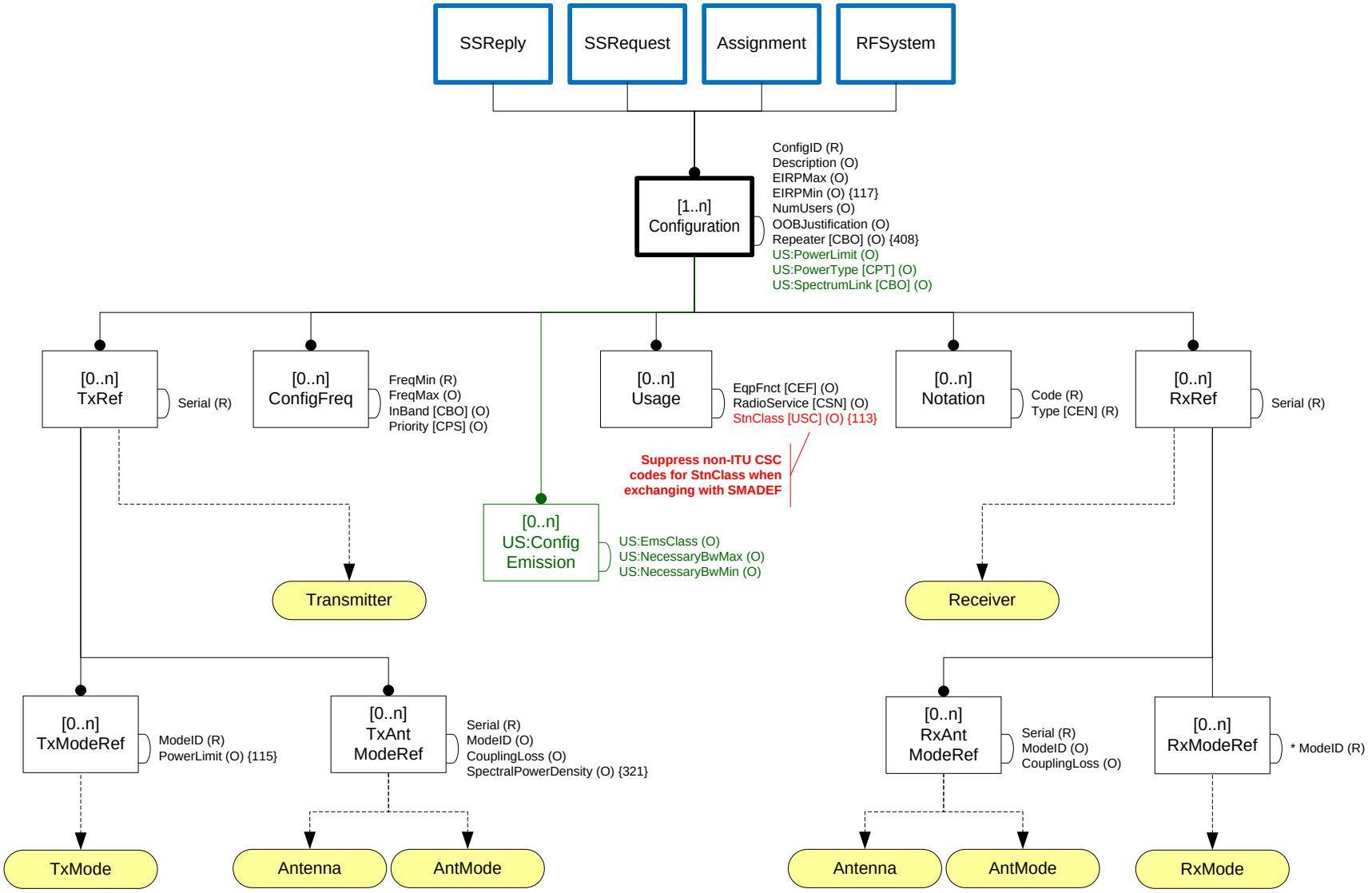
Color Key: **Core Namespace**, **US Namespace**, **Divergence**, **Deprecated**	Inherited Dataset	Referenced Dataset	Cardinality [x..y]	*Go to Contents*	SSRF	Antenna	v60	4

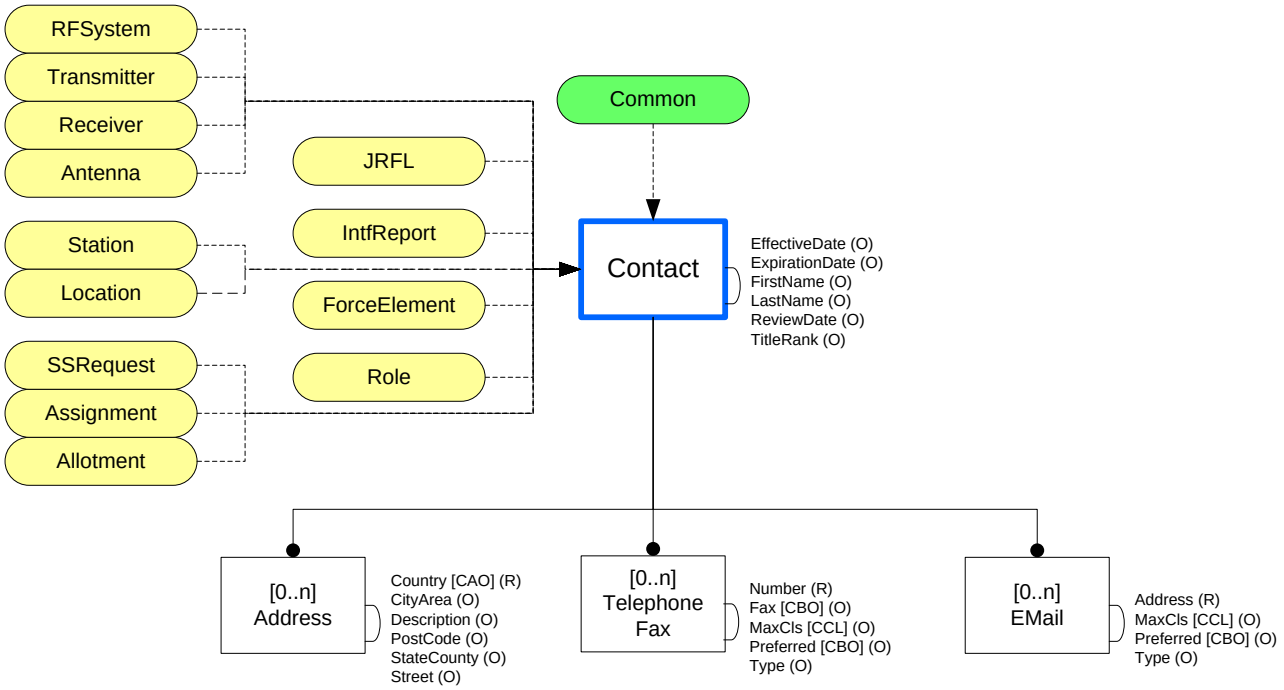

Antenna
ModeID (R)
BeamType [CBD] (O)
Description (O)
HorzBwMax (O)
HorzBwMin (O) {360, 460}
HorzScanSector (O)
HorzScanRate (O)
HorzScanSpeed (O)
HorzScanType [CAS] (O)
MaxPower (O)
ModeUse [CAU] (O)
MotionType [CAD] (O) {362.1, 462.1}
PolarisationAngle (O/O)
PolarisationType [CPO] (O/R) {363, 463}
PortIsolation (O)
RotationDirection [CRD] (O)
RotationRateMax (O/O)
RotationRateMin (O/R)
SectBlanking [CBO] (O)
VertBwMax (O)
VertBwMin (O) {361, 461}
VertScanAngleMax (O)
VertScanAngleMin (O)
VertScanRate (O)
VertScanSpeed (O)
VertScanType [CAS] (O)
US:ModeName (O)
When exchanging data with SMADEF, all Antennas must contain at least one mode.
Configuration
[0..n] AntMode
[0..n] AntPattern
Calculated [CBO] (O)
CutAngle (O)
CutType [CTP] (O)
Type [CAP] (O)
[0..n] AntEfficiency
Efficiency(R)
FreqMin (R)
FreqMax (O)
[0..n] AntFreqs
FreqMin (R)
Bandwidth (O)
FreqMax (O)
FreqUse [CAU] (O)
[1..n] AntPattern Point
Dir (R)
Gain (R)
[0..n] AntGain
Gain (R) {357, 457}
Calculated [CBO] (O)
Freq (O)
FrontToBackRatio (O)
When exchanging data with SMADEF, all Antena Modes must have at least one gain.
[0..n] VSWR
Ratio (R)
Freq (O)

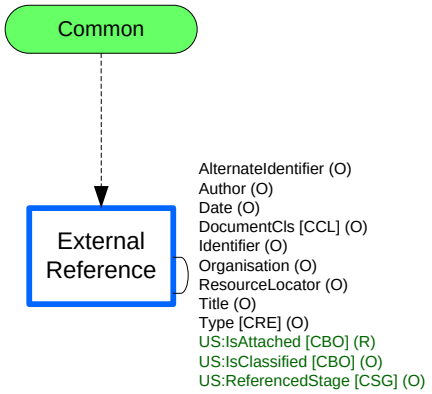


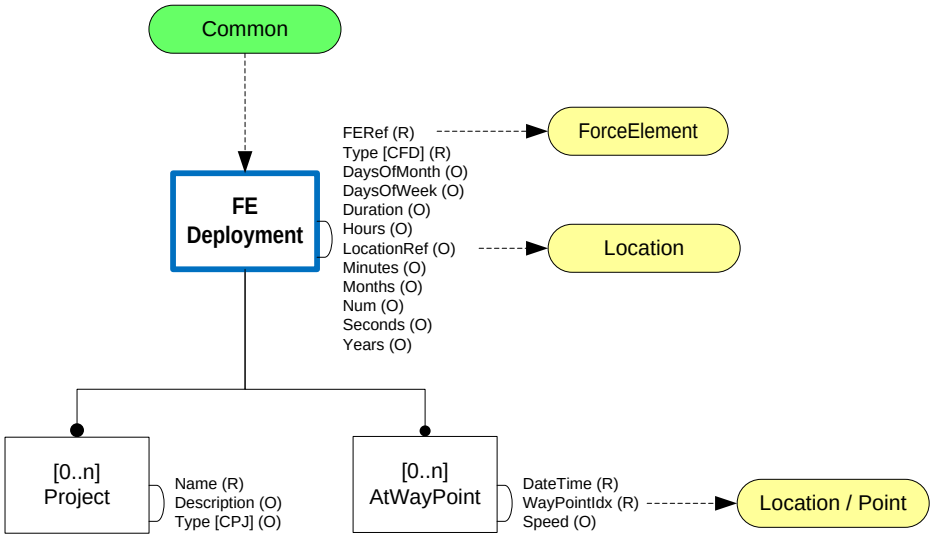
Color Key: Core Namespace, US Namespace, Divergence, Deprecated	Inherited Dataset	Referenced Dataset	Cardinality [x..y]	Go to Contents	SSRF	Assignment	v60	6

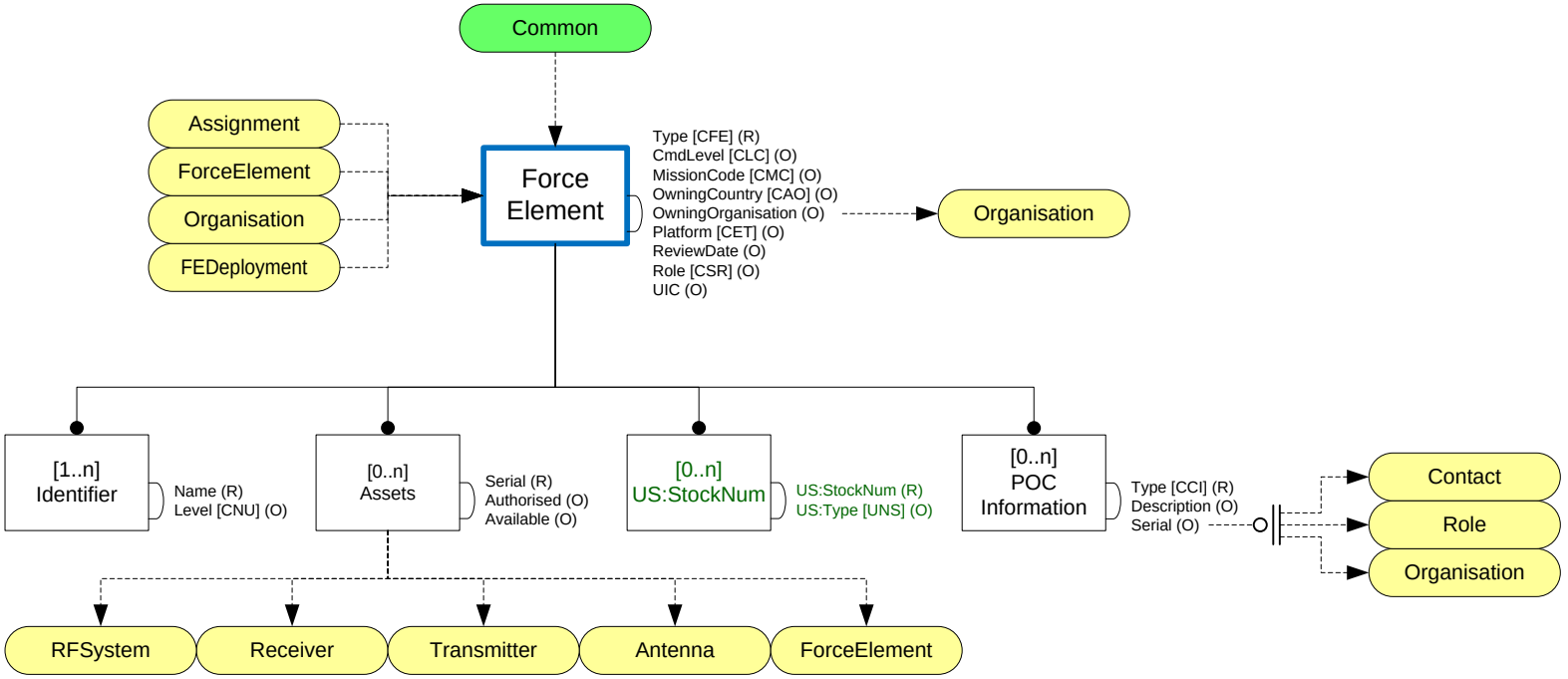

cls [CCL] (R)
extReferences (O)
releasability [CCY] (O)
remarks (O)
US:legacyReleasability (O)
US:quality (O)
US:recommendedValue (O)
Common
Serial (R)
EntryDateTime (R)
EntryBy (O)
LastChangeDateTime (O) {143, 911}
LastChangeBy (O)
ModAllowedBy (O)
Owner (O)
State [CSU] (O) {901}
Role
ModAllowedBy not permitted for use by USA
{005, 013, 014, 016, 017, 018, 019}
[0..1] US:Security Class
US:ClsAuthority (O)
US:ClsOrg (O)
US:ClsReason (O)
US:DeclsDate (O)
US:DeclsEvent (O)
US:DeclsType (O)
US:SourceClsDate (O)
[0..n] CaseNum
Identifier (R)
Country [CAO] (O)
Type (O)
idx (R)
[0..n] Remarks
* content (R)
[0..n] ExtReference Ref
idx (R)
* serial (R)
ExtReference
[0..3] US:Downgrade
US:Date (R)
US:Downcls [CCL] (R)
US:DowngradeInfo (O)
[0..n] US:ClsDerived
US:Date (R)
US:Org (R)
US:Title (R)
Administrative
Allotment
Antenna
Assignment
ChannelPlan
Contact
ExtReference
FEDeployment
ForceElement
IntfReport
JRFL
Location
Organisation
US:Note
Receiver
RFSystem
Role
Satellite
SSReply
SSRequest
Station
Transmitter
TOA

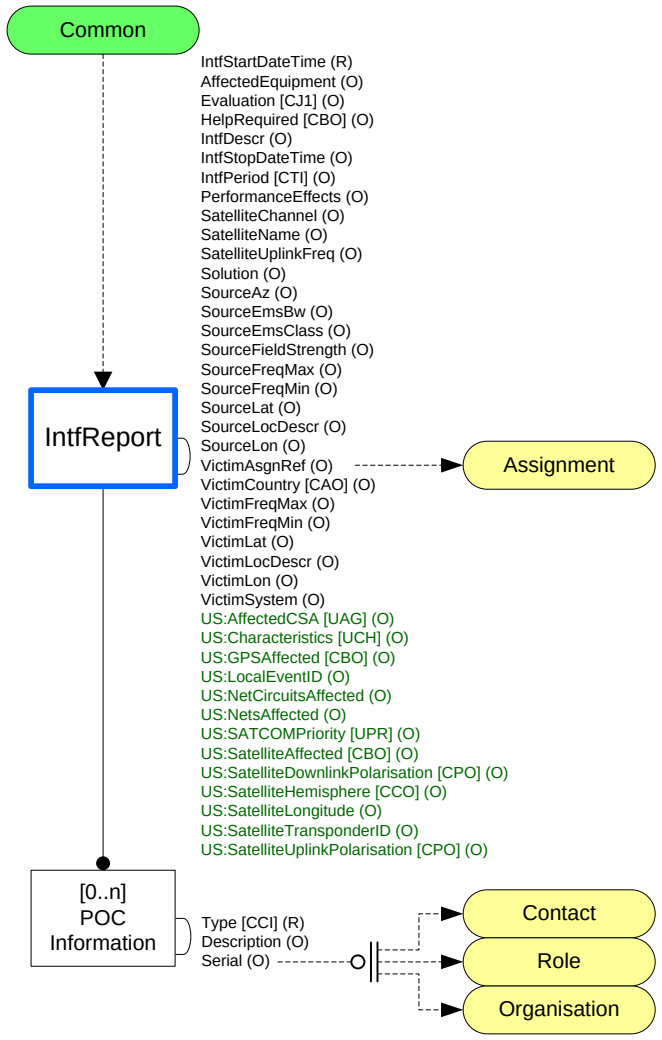

SSReply
SSRequest
Assignment
RFSystem
[1..n]
Configuration
ConfigID (R)
Description (O)
EIRPMax (O)
EIRPMin (O) {117}
NumUsers (O)
OOBJustification (O)
Repeater [CBO] (O) {408}
US:PowerLimit (O)
US:PowerType [CPT] (O)
US:SpectrumLink [CBO] (O)
[0..n]
TxRef
Serial (R)
[0..n]
ConfigFreq
FreqMin (R)
FreqMax (O)
InBand [CBO] (O)
Priority [CPS] (O)
[0..n]
Usage
EqpFnct [CEF] (O)
RadioService [CSN] (O)
StnClass [USC] (O) {113}
[0..n]
Notation
Code (R)
Type [CEN] (R)
[0..n]
RxRef
Serial (R)
Suppress non-ITU CSC codes for StnClass when exchanging with SMADEF
[0..n]
US:Config
Emission
US:EmsClass (O)
US:NecessaryBwMax (O)
US:NecessaryBwMin (O)
Transmitter
Receiver
[0..n]
TxModeRef
ModeID (R)
PowerLimit (O) {115}
[0..n]
TxAnt
ModeRef
Serial (R)
ModeID (O)
CouplingLoss (O)
SpectralPowerDensity (O) {321}
[0..n]
RxAnt
ModeRef
Serial (R)
ModeID (O)
CouplingLoss (O)
[0..n]
RxModeRef
* ModeID (R)
TxMode
Antenna
AntMode
Antenna
AntMode
RxMode

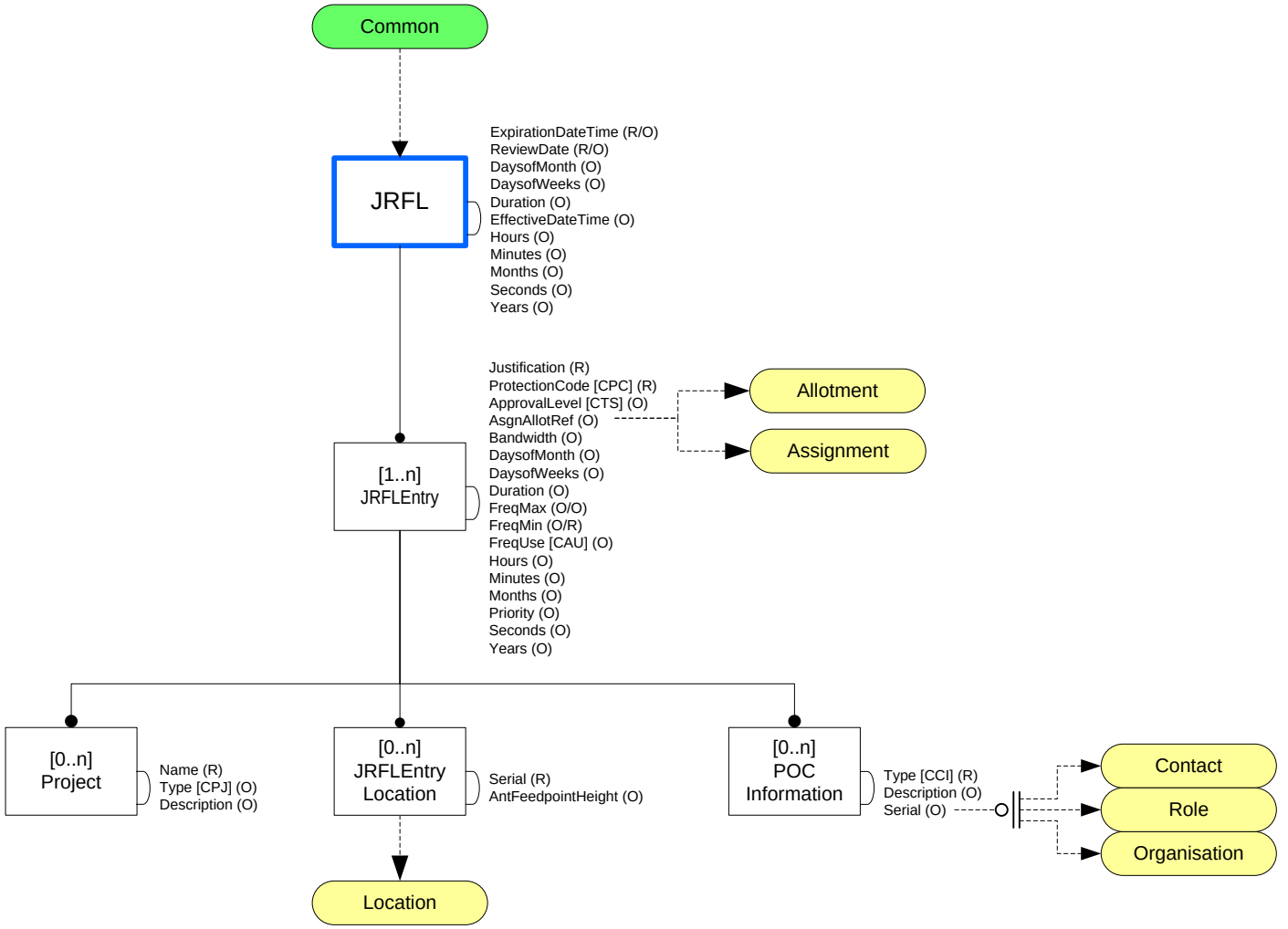

RFSystem
Transmitter
Receiver
Antenna
Station
Location
SSRequest
Assignment
Allotment
JRFL
IntfReport
ForceElement
Role
Common
Contact
EffectiveDate (O)
ExpirationDate (O)
FirstName (O)
LastName (O)
ReviewDate (O)
TitleRank (O)
[0..n]
Address
Country [CAO] (R)
CityArea (O)
Description (O)
PostCode (O)
StateCounty (O)
Street (O)
[0..n]
Telephone
Fax
Number (R)
Fax [CBO] (O)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)
[0..n]
EMail
Address (R)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)

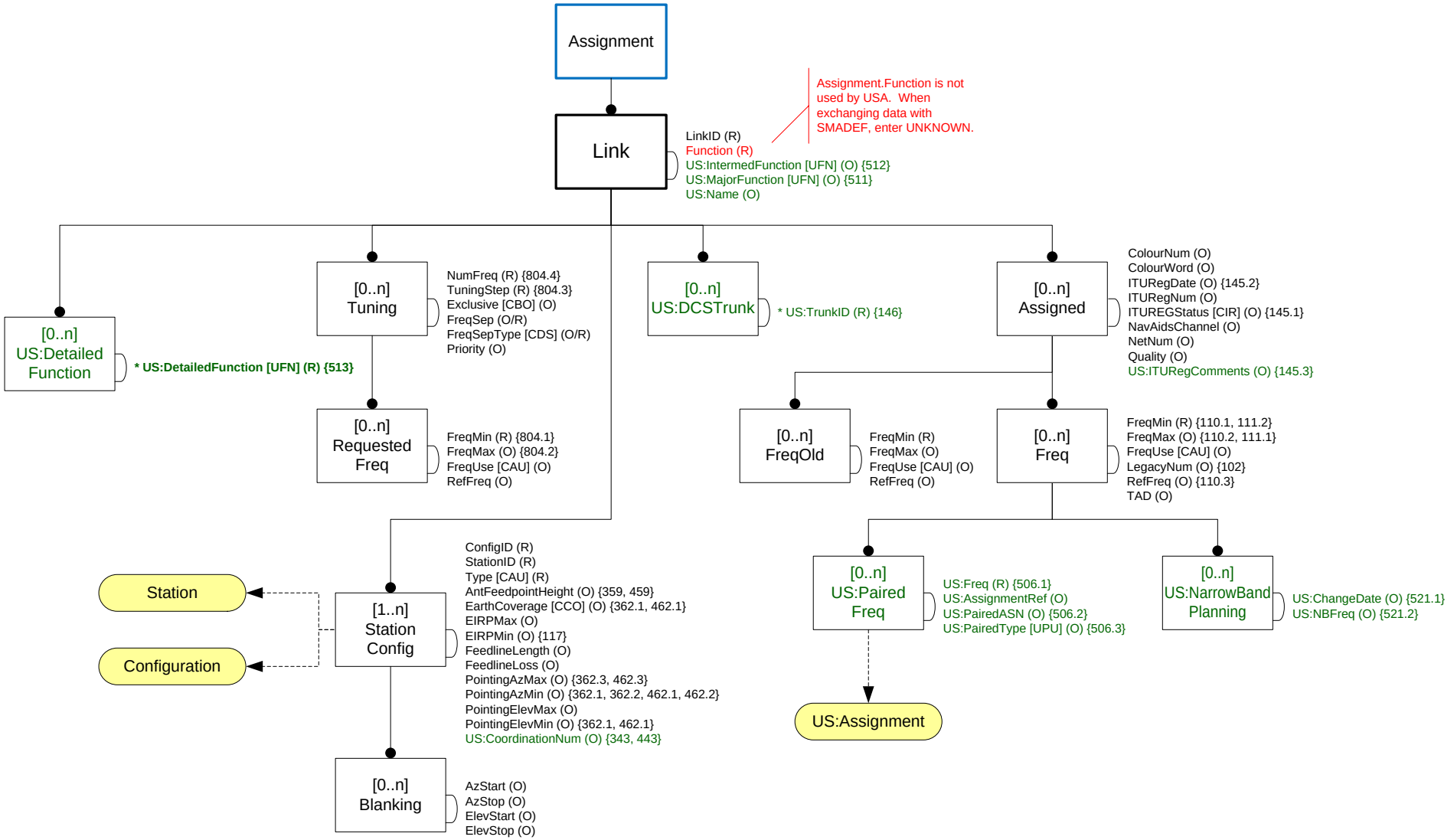

Common
External Reference
AlternateIdentifier (O)
Author (O)
Date (O)
DocumentCls [CCL] (O)
Identifier (O)
Organisation (O)
ResourceLocator (O)
Title (O)
Type [CRE] (O)
US:IsAttached [CBO] (R)
US:IsClassified [CBO] (O)
US:ReferencedStage [CSG] (O)


Common
FE Deployment
FERef (R)
Type [CFD] (R)
DaysOfMonth (O)
DaysOfWeek (O)
Duration (O)
Hours (O)
LocationRef (O)
Minutes (O)
Months (O)
Num (O)
Seconds (O)
Years (O)
ForceElement
Location
[0..n] Project
Name (R)
Description (O)
Type [CPJ] (O)
[0..n] AtWayPoint
DateTime (R)
WayPointIdx (R)
Speed (O)
Location / Point

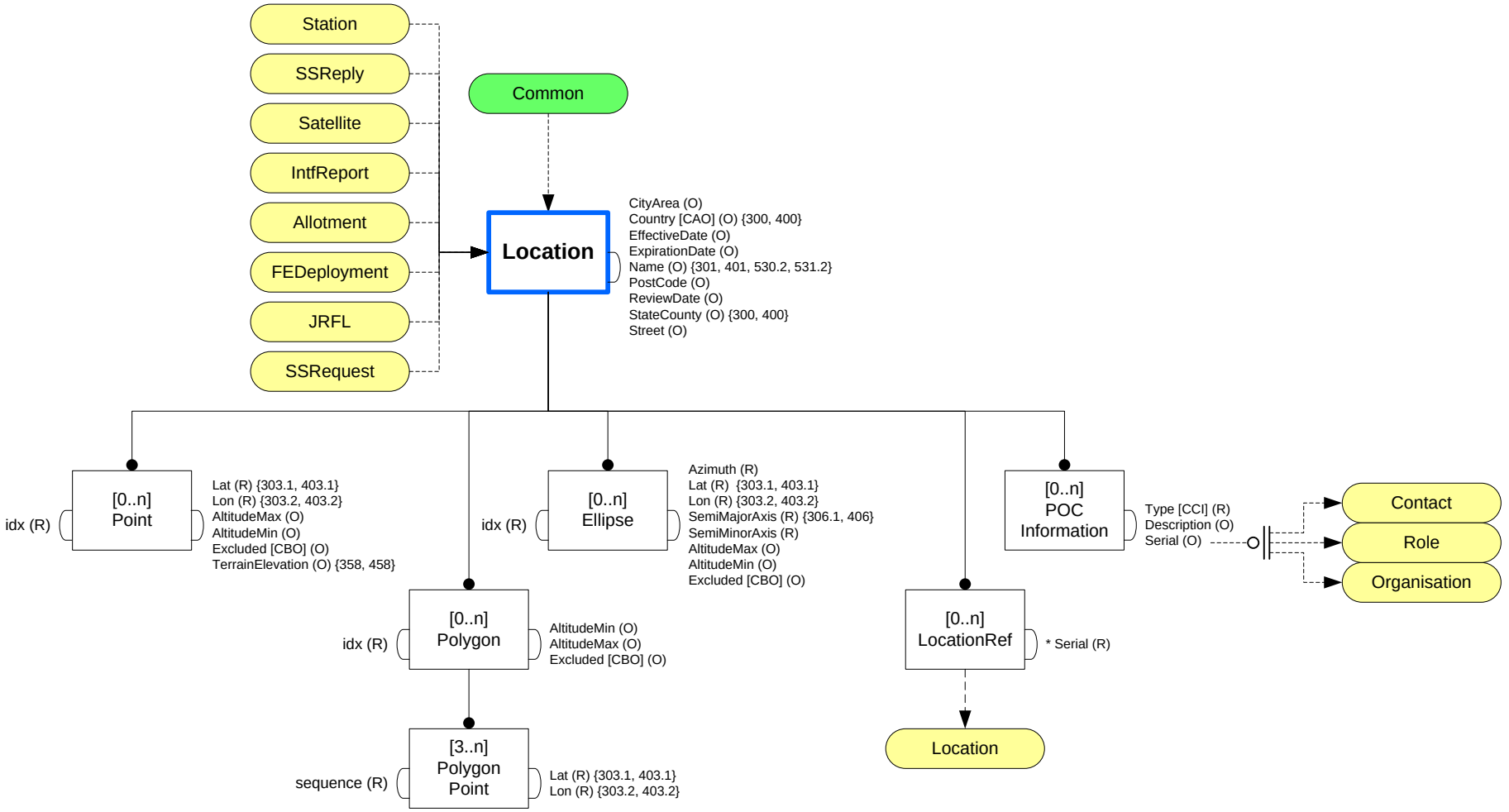

Common
Assignment
ForceElement
Organisation
FEDeployment
Force Element
Type [CFE] (R)
CmdLevel [CLC] (O)
MissionCode [CMC] (O)
OwningCountry [CAO] (O)
OwningOrganisation (O)
Platform [CET] (O)
ReviewDate (O)
Role [CSR] (O)
UIC (O)
Organisation
[1..n] Identifier
Name (R)
Level [CNU] (O)
[0..n] Assets
Serial (R)
Authorised (O)
Available (O)
[0..n] US:StockNum
US:StockNum (R)
US:Type [UNS] (O)
[0..n] POC Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation
RFSystem
Receiver
Transmitter
Antenna
ForceElement

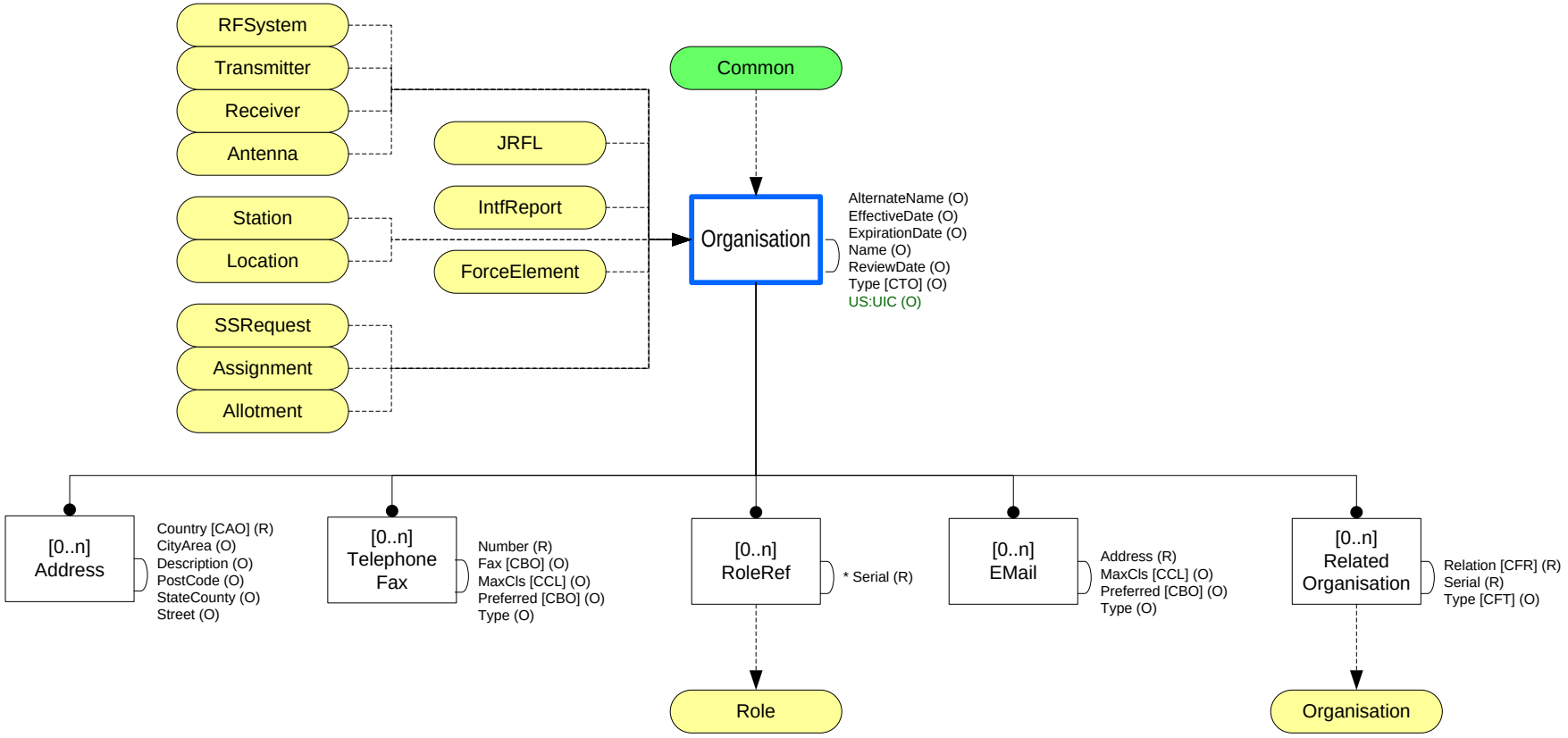

Common
IntfStartDateTime (R)
AffectedEquipment (O)
Evaluation [CJ1] (O)
HelpRequired [CBO] (O)
IntfDescr (O)
IntfStopDateTime (O)
IntfPeriod [CTI] (O)
PerformanceEffects (O)
SatelliteChannel (O)
SatelliteName (O)
SatelliteUplinkFreq (O)
Solution (O)
SourceAz (O)
SourceEmsBw (O)
SourceEmsClass (O)
SourceFieldStrength (O)
SourceFreqMax (O)
SourceFreqMin (O)
SourceLat (O)
SourceLocDescr (O)
SourceLon (O)
IntfReport
VictimAsgnRef (O)
Assignment
VictimCountry [CAO] (O)
VictimFreqMax (O)
VictimFreqMin (O)
VictimLat (O)
VictimLocDescr (O)
VictimLon (O)
VictimSystem (O)
US:AffectedCSA [UAG] (O)
US:Characteristics [UCH] (O)
US:GPSAffected [CBO] (O)
US:LocalEventID (O)
US:NetCircuitsAffected (O)
US:NetsAffected (O)
US:SATCOMPriority [UPR] (O)
US:SatelliteAffected [CBO] (O)
US:SatelliteDownlinkPolarisation [CPO] (O)
US:SatelliteHemisphere [CCO] (O)
US:SatelliteLongitude (O)
US:SatelliteTransponderID (O)
US:SatelliteUplinkPolarisation [CPO] (O)
[0..n]
POC
Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation

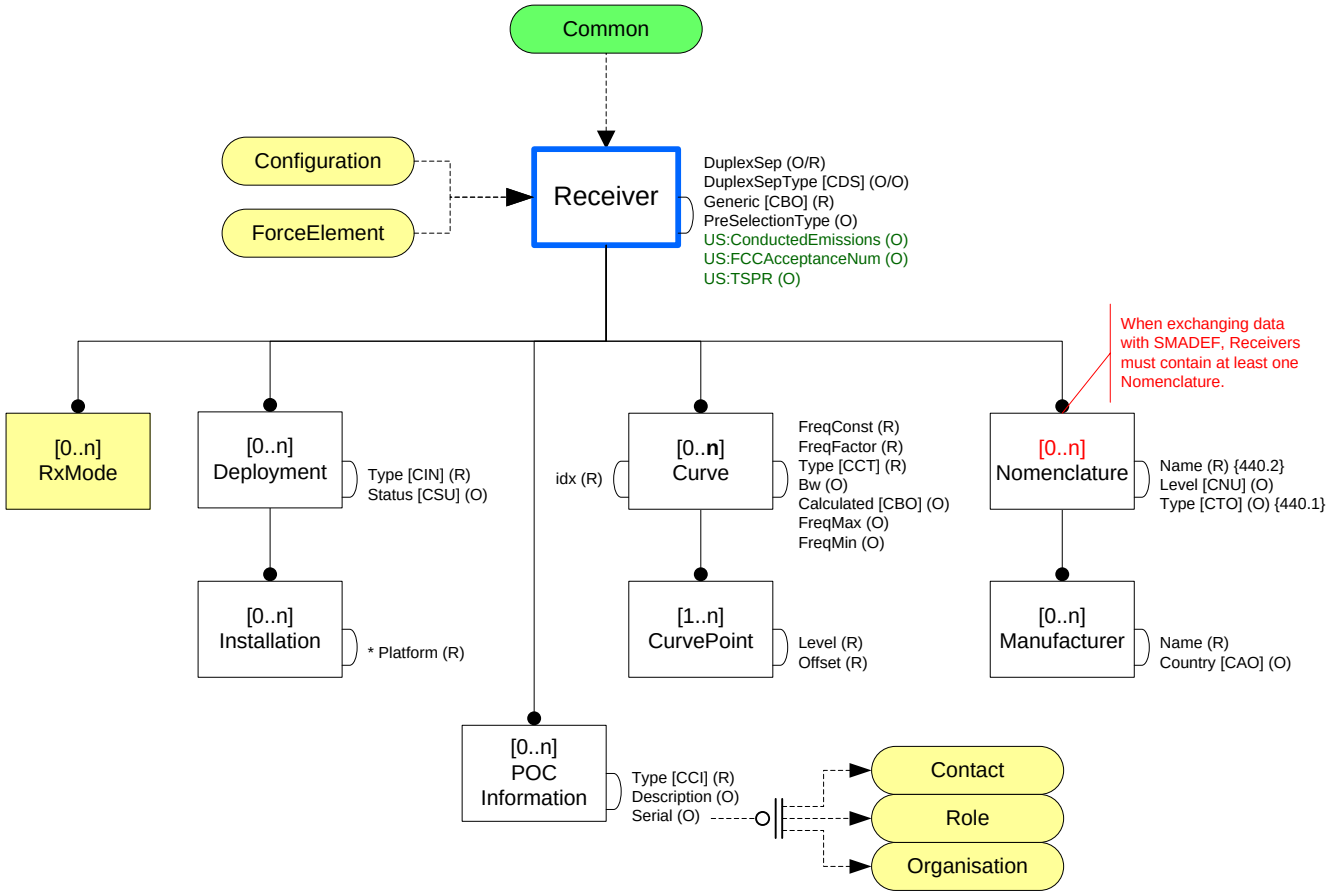

Common
JRFL
ExpirationDateTime (R/O)
ReviewDate (R/O)
DaysofMonth (O)
DaysofWeeks (O)
Duration (O)
EffectiveDateTime (O)
Hours (O)
Minutes (O)
Months (O)
Seconds (O)
Years (O)
[1..n]
JRFLEntry
Justification (R)
ProtectionCode [CPC] (R)
ApprovalLevel [CTS] (O)
AsgnAllotRef (O)
Bandwidth (O)
DaysofMonth (O)
DaysofWeeks (O)
Duration (O)
FreqMax (O/O)
FreqMin (O/R)
FreqUse [CAU] (O)
Hours (O)
Minutes (O)
Months (O)
Priority (O)
Seconds (O)
Years (O)
Allotment
Assignment
[0..n]
Project
Name (R)
Type [CPJ] (O)
Description (O)
[0..n]
JRFLEntry
Location
Serial (R)
AntFeedpointHeight (O)
Location
[0..n]
POC
Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation

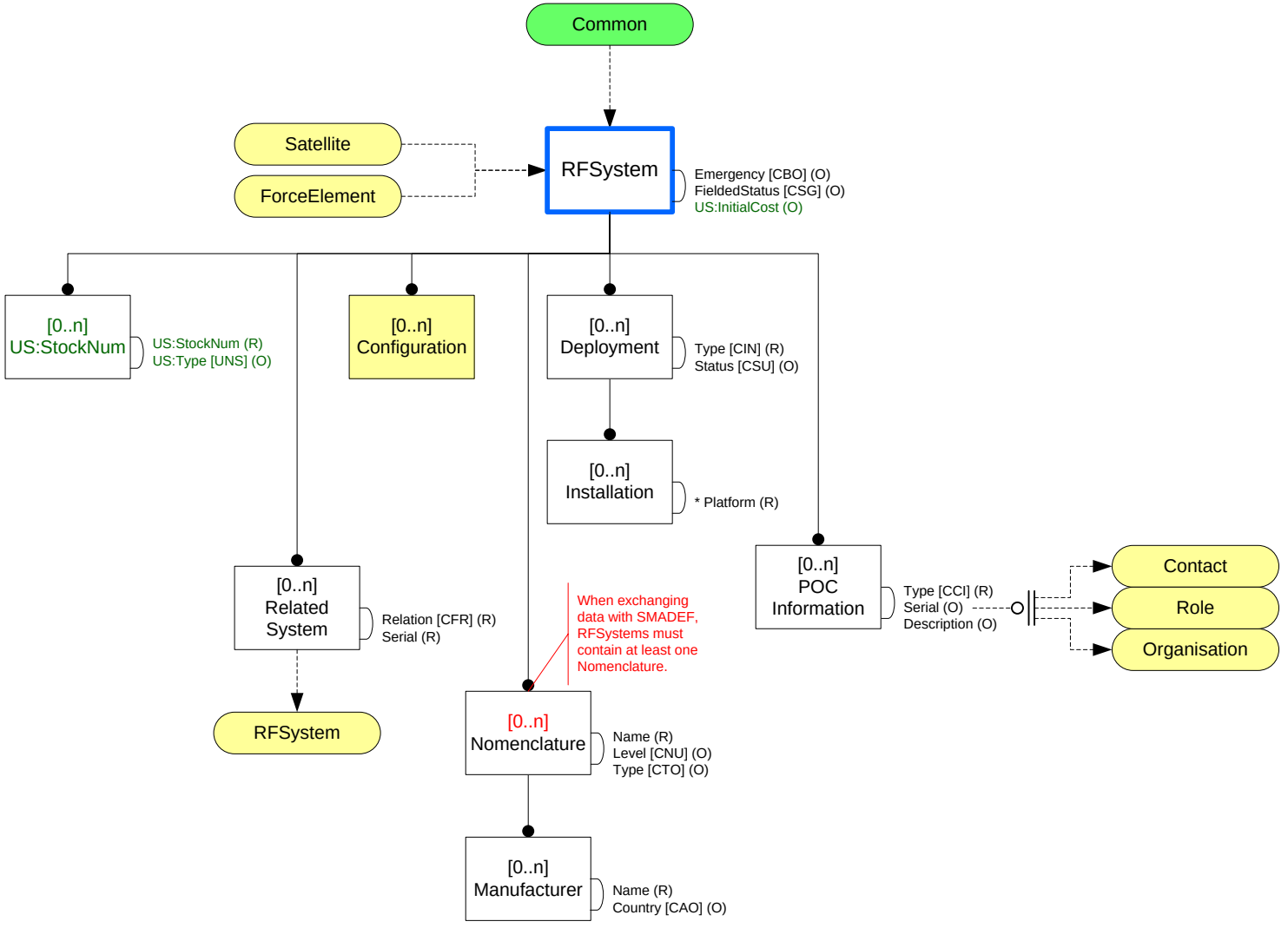


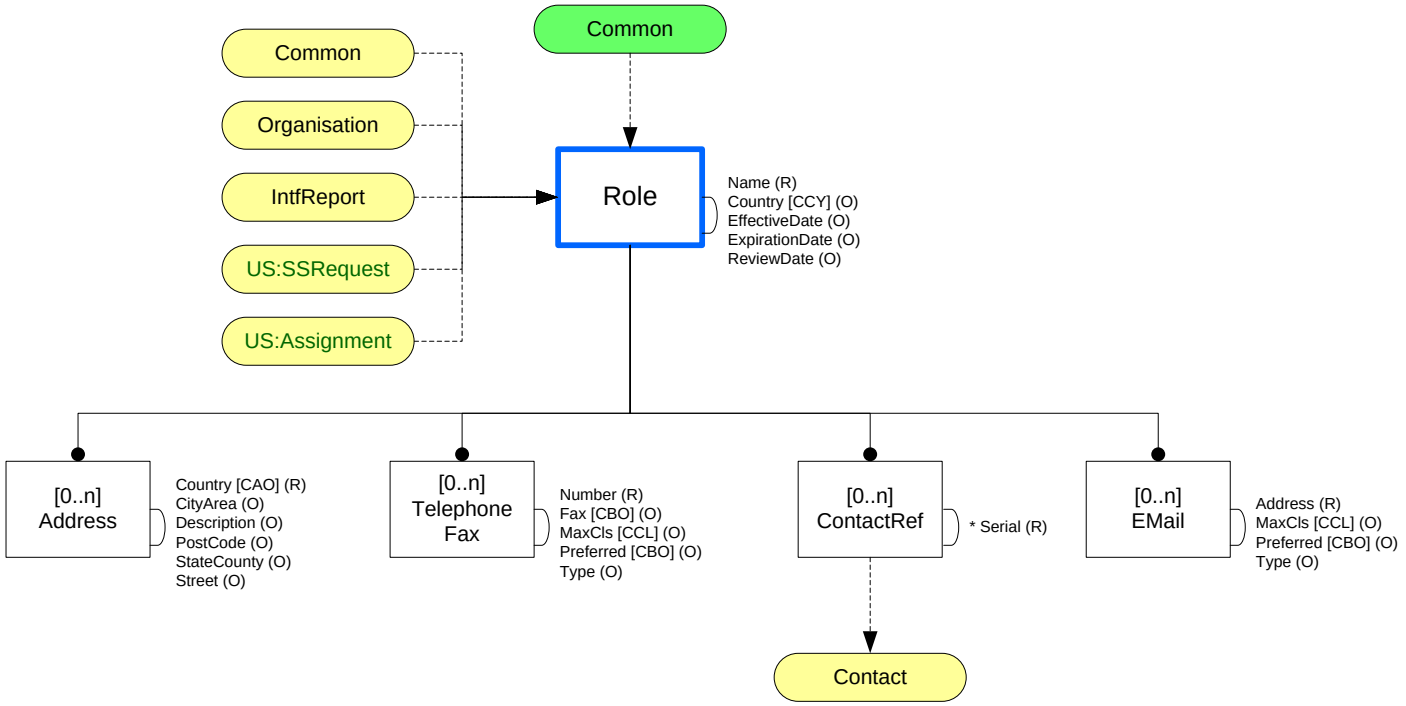
Color Key: Core Namespace, US Namespace, Divergence, Deprecated	Inherited Dataset	Referenced Dataset	Cardinality [x..y]	Go to Contents	SSRF	Link	v60	15

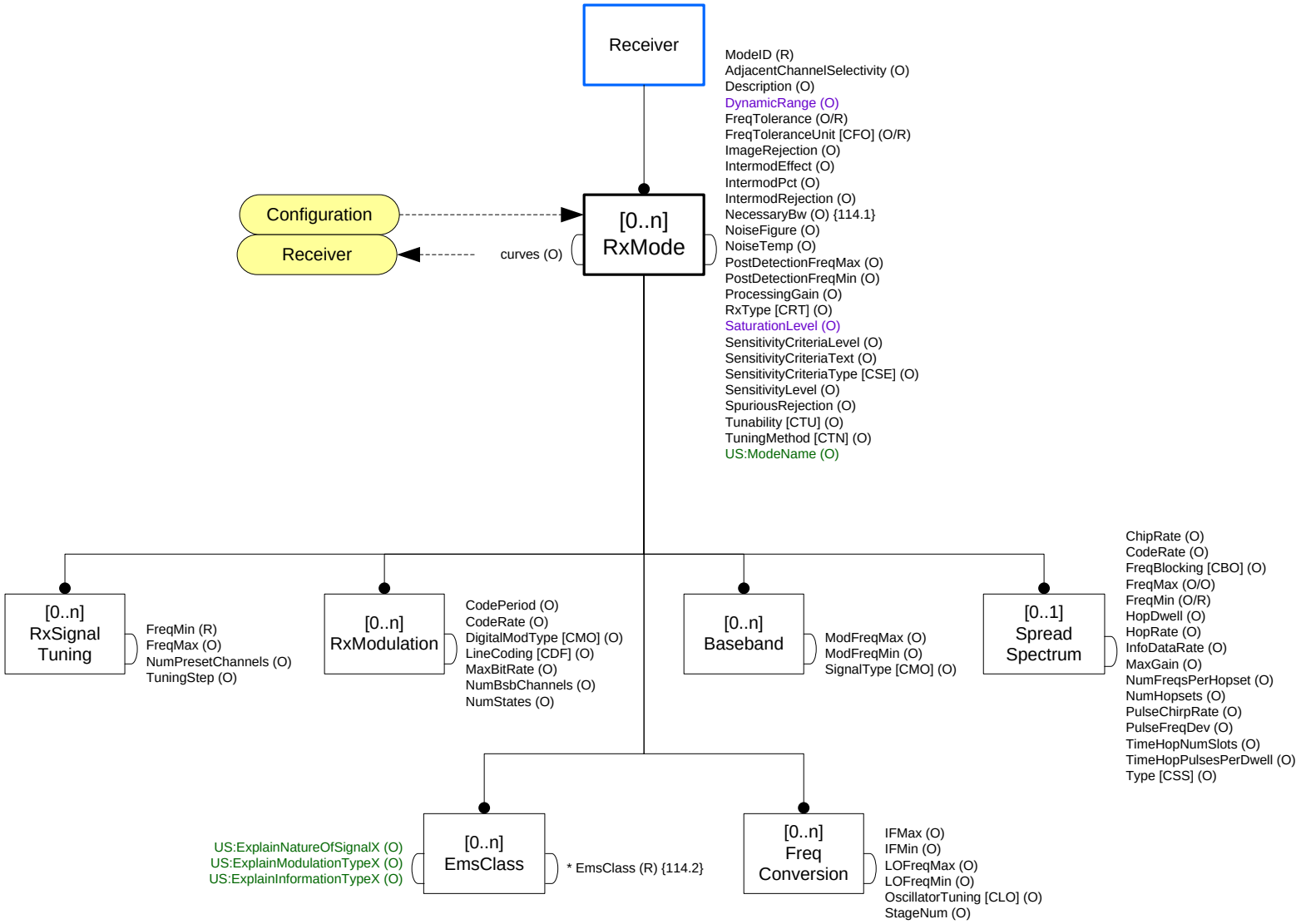

Station
SSReply
Satellite
IntfReport
Allotment
FEDeployment
JRFL
SSRequest
Common
Location
CityArea (O)
Country [CAO] (O) {300, 400}
EffectiveDate (O)
ExpirationDate (O)
Name (O) {301, 401, 530.2, 531.2}
PostCode (O)
ReviewDate (O)
StateCounty (O) {300, 400}
Street (O)
idx (R)
[0..n]
Point
Lat (R) {303.1, 403.1}
Lon (R) {303.2, 403.2}
AltitudeMax (O)
AltitudeMin (O)
Excluded [CBO] (O)
TerrainElevation (O) {358, 458}
idx (R)
[0..n]
Ellipse
Azimuth (R)
Lat (R) {303.1, 403.1}
Lon (R) {303.2, 403.2}
SemiMajorAxis (R) {306.1, 406}
SemiMinorAxis (R)
AltitudeMax (O)
AltitudeMin (O)
Excluded [CBO] (O)
[0..n]
POC
Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation
idx (R)
[0..n]
Polygon
AltitudeMin (O)
AltitudeMax (O)
Excluded [CBO] (O)
[3..n]
Polygon
Point
sequence (R)
Lat (R) {303.1, 403.1}
Lon (R) {303.2, 403.2}
[0..n]
LocationRef
* Serial (R)
Location

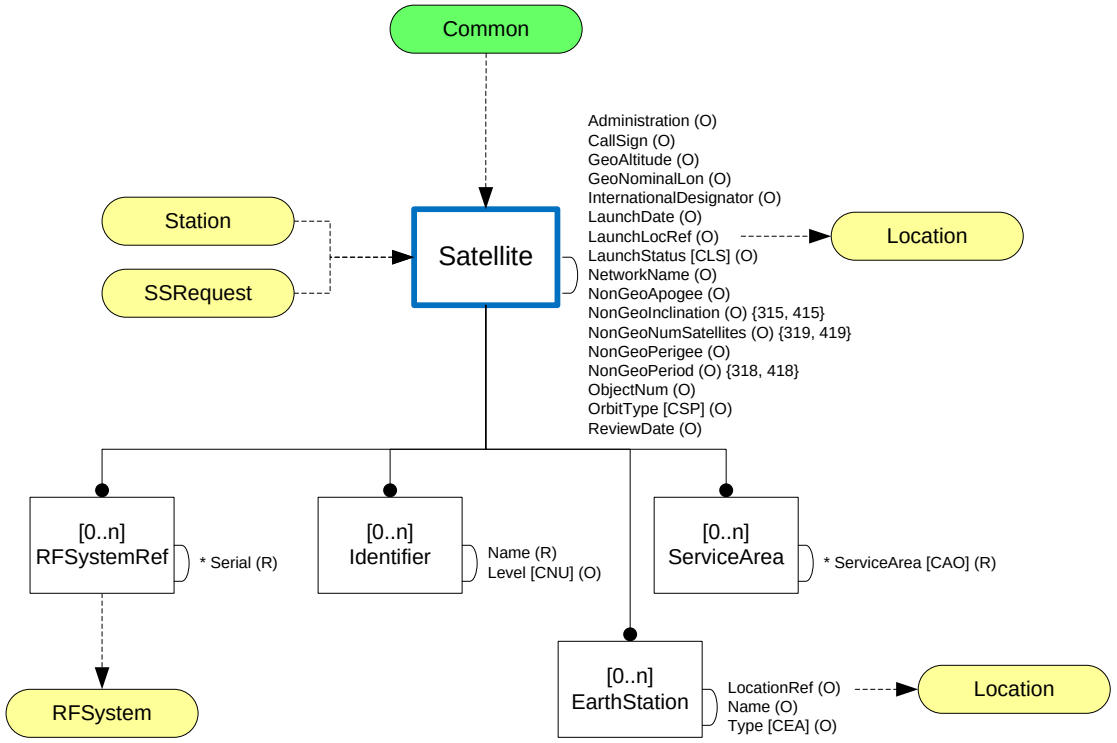

RFSystem
Transmitter
Receiver
Antenna
Station
Location
SSRequest
Assignment
Allotment
JRFL
IntfReport
ForceElement
Common
Organisation
AlternateName (O)
EffectiveDate (O)
ExpirationDate (O)
Name (O)
ReviewDate (O)
Type [CTO] (O)
US:UIC (O)
[0..n] Address
Country [CAO] (R)
CityArea (O)
Description (O)
PostCode (O)
StateCounty (O)
Street (O)
[0..n] Telephone Fax
Number (R)
Fax [CBO] (O)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)
[0..n] RoleRef
* Serial (R)
[0..n] EMail
Address (R)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)
[0..n] Related Organisation
Relation [CFR] (R)
Serial (R)
Type [CFT] (O)
Role
Organisation

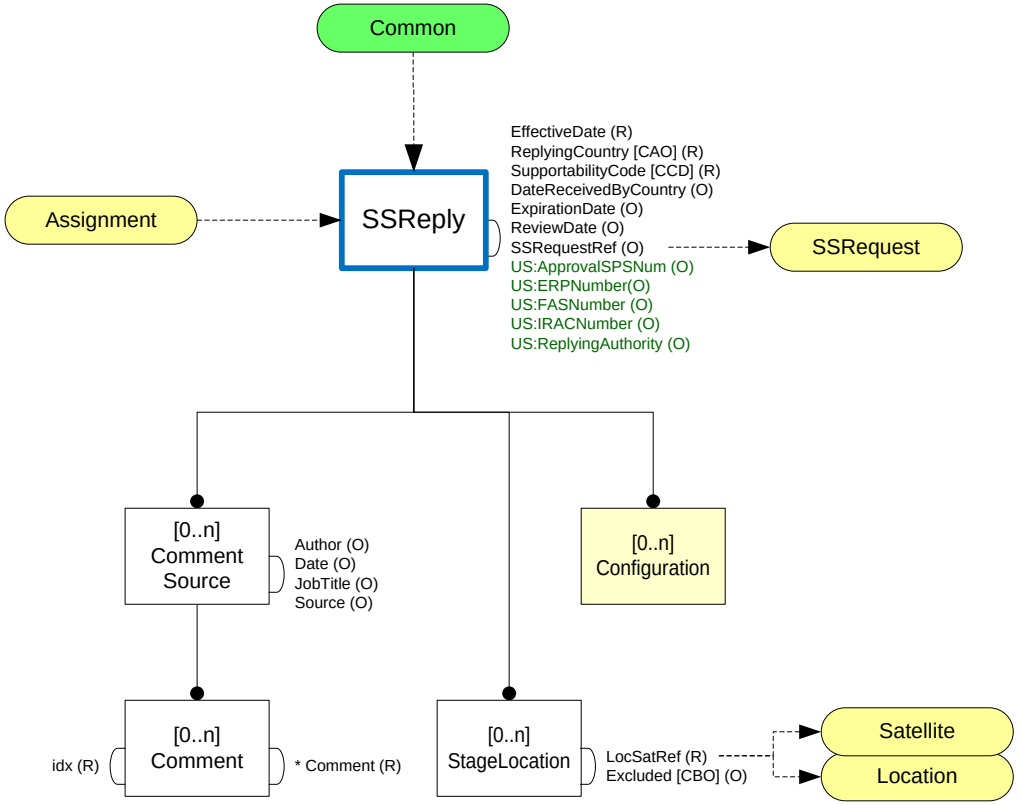

Common
Configuration
ForceElement
Receiver
DuplexSep (O/R)
DuplexSepType [CDS] (O/O)
Generic [CBO] (R)
PreSelectionType (O)
US:ConductedEmissions (O)
US:FCCAcceptanceNum (O)
US:TSPR (O)
When exchanging data with SMADEF, Receivers must contain at least one Nomenclature.
[0..n] RxMode
[0..n] Deployment
Type [CIN] (R)
Status [CSU] (O)
[0..n] Installation
* Platform (R)
idx (R)
[0..n] Curve
FreqConst (R)
FreqFactor (R)
Type [CCT] (R)
Bw (O)
Calculated [CBO] (O)
FreqMax (O)
FreqMin (O)
[1..n] CurvePoint
Level (R)
Offset (R)
[0..n] Nomenclature
Name (R) {440.2}
Level [CNU] (O)
Type [CTO] (O) {440.1}
[0..n] Manufacturer
Name (R)
Country [CAO] (O)
[0..n] POC Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation

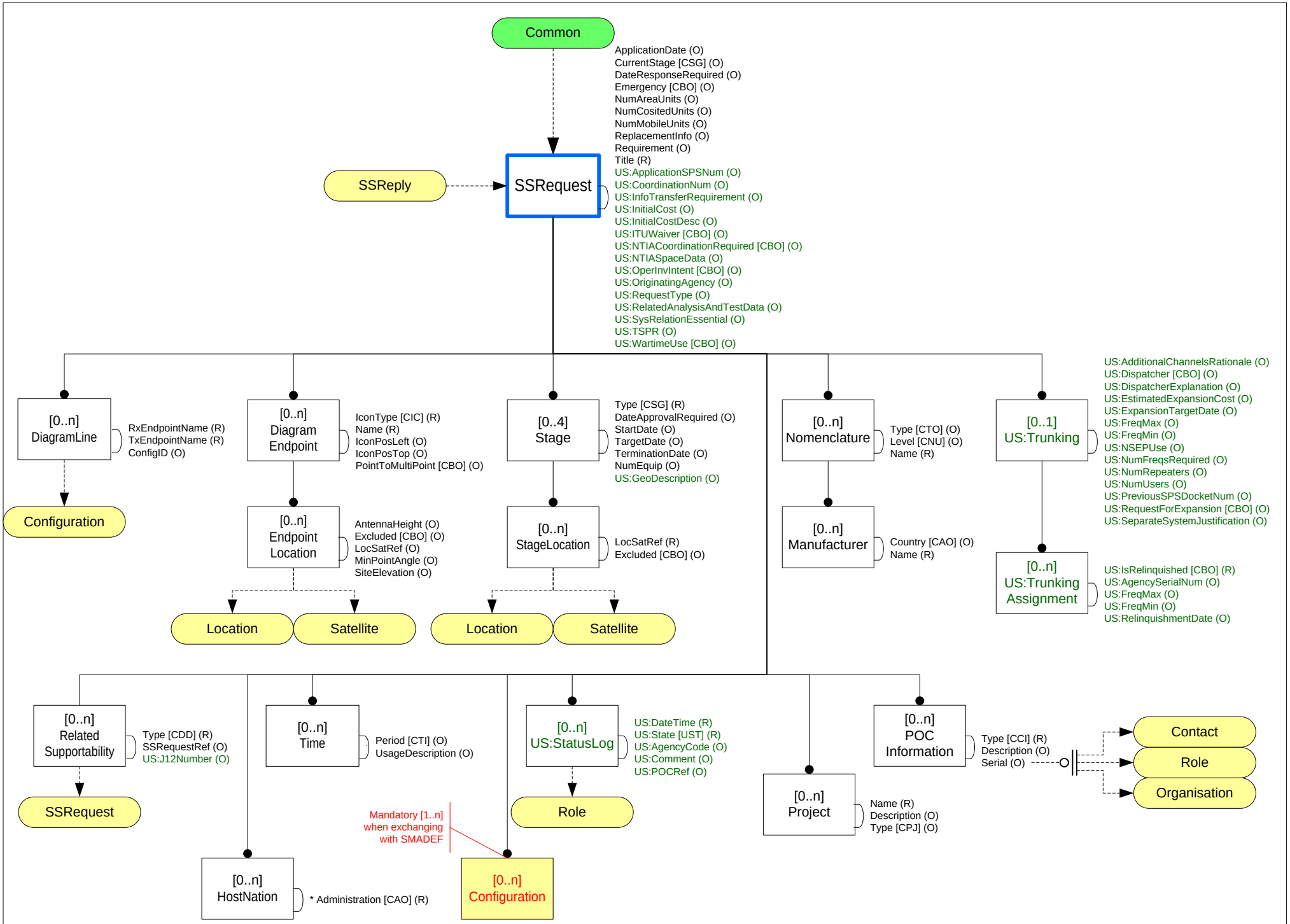

Common
Satellite
ForceElement
RFSystem
Emergency [CBO] (O)
FieldedStatus [CSG] (O)
US:InitialCost (O)
[0..n]
US:StockNum
US:StockNum (R)
US:Type [UNS] (O)
[0..n]
Configuration
[0..n]
Deployment
Type [CIN] (R)
Status [CSU] (O)
[0..n]
Installation
* Platform (R)
[0..n]
POC
Information
Type [CCI] (R)
Serial (O)
Description (O)
Contact
Role
Organisation
[0..n]
Related
System
Relation [CFR] (R)
Serial (R)
RFSystem
When exchanging data with SMADEF, RFSystems must contain at least one Nomenclature.
[0..n]
Nomenclature
Name (R)
Level [CNU] (O)
Type [CTO] (O)
[0..n]
Manufacturer
Name (R)
Country [CAO] (O)


Common
Common
Organisation
IntfReport
US:SSRequest
US:Assignment
Role
Name (R)
Country [CCY] (O)
EffectiveDate (O)
ExpirationDate (O)
ReviewDate (O)
[0..n]
Address
Country [CAO] (R)
CityArea (O)
Description (O)
PostCode (O)
StateCounty (O)
Street (O)
[0..n]
Telephone
Fax
Number (R)
Fax [CBO] (O)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)
[0..n]
ContactRef
* Serial (R)
[0..n]
EMail
Address (R)
MaxCls [CCL] (O)
Preferred [CBO] (O)
Type (O)
Contact

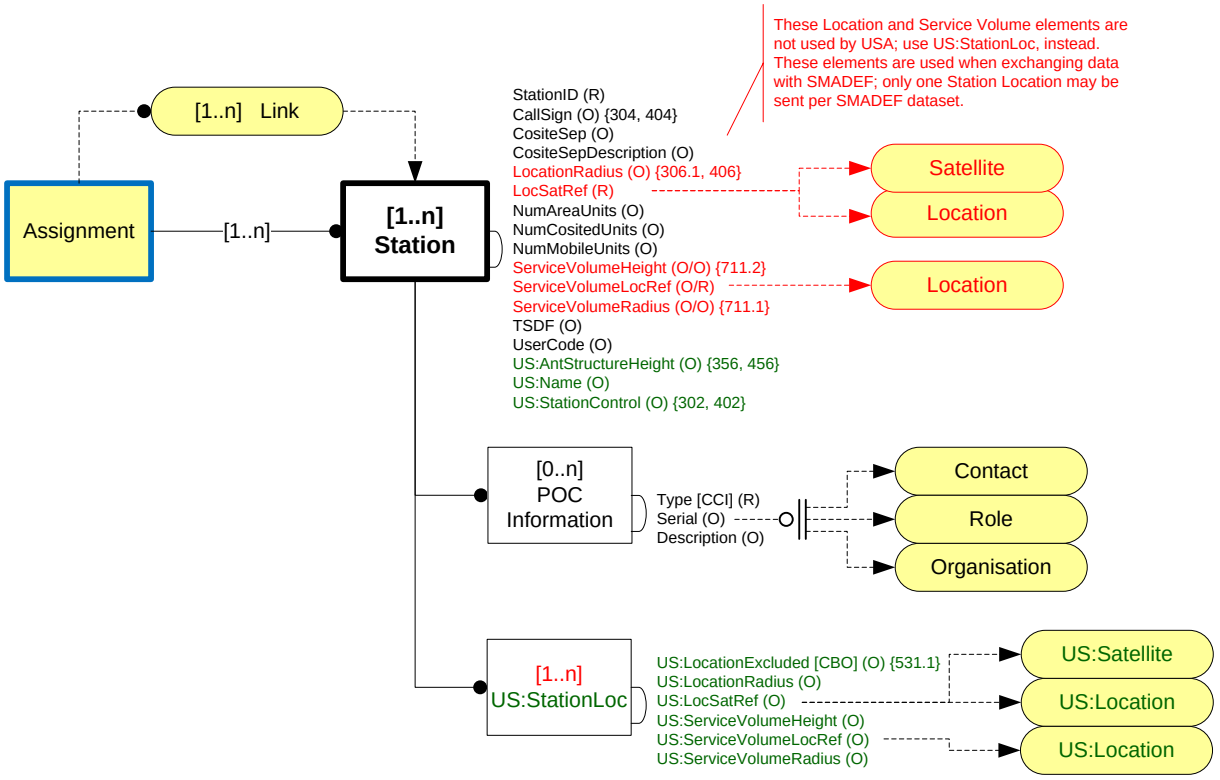

Receiver
ModeID (R)
AdjacentChannelSelectivity (O)
Description (O)
DynamicRange (O)
FreqTolerance (O/R)
FreqToleranceUnit [CFO] (O/R)
ImageRejection (O)
IntermodEffect (O)
IntermodPct (O)
IntermodRejection (O)
NecessaryBw (O) {114.1}
NoiseFigure (O)
NoiseTemp (O)
PostDetectionFreqMax (O)
PostDetectionFreqMin (O)
ProcessingGain (O)
RxType [CRT] (O)
SaturationLevel (O)
SensitivityCriteriaLevel (O)
SensitivityCriteriaText (O)
SensitivityCriteriaType [CSE] (O)
SensitivityLevel (O)
SpuriousRejection (O)
Tunability [CTU] (O)
TuningMethod [CTN] (O)
US:ModeName (O)
Configuration
Receiver
curves (O)
[0..n]
RxMode
[0..n]
RxSignal
Tuning
FreqMin (R)
FreqMax (O)
NumPresetChannels (O)
TuningStep (O)
[0..n]
RxModulation
CodePeriod (O)
CodeRate (O)
DigitalModType [CMO] (O)
LineCoding [CDF] (O)
MaxBitRate (O)
NumBsbChannels (O)
NumStates (O)
[0..n]
Baseband
ModFreqMax (O)
ModFreqMin (O)
SignalType [CMO] (O)
[0..1]
Spread
Spectrum
ChipRate (O)
CodeRate (O)
FreqBlocking [CBO] (O)
FreqMax (O/O)
FreqMin (O/R)
HopDwell (O)
HopRate (O)
InfoDataRate (O)
MaxGain (O)
NumFreqsPerHopset (O)
NumHopsets (O)
PulseChirpRate (O)
PulseFreqDev (O)
TimeHopNumSlots (O)
TimeHopPulsesPerDwell (O)
Type [CSS] (O)
US:ExplainNatureOfSignalX (O)
US:ExplainModulationTypeX (O)
US:ExplainInformationTypeX (O)
[0..n]
EmsClass
* EmsClass (R) {114.2}
[0..n]
Freq
Conversion
IFMax (O)
IFMin (O)
LOFreqMax (O)
LOFreqMin (O)
OscillatorTuning [CLO] (O)
StageNum (O)

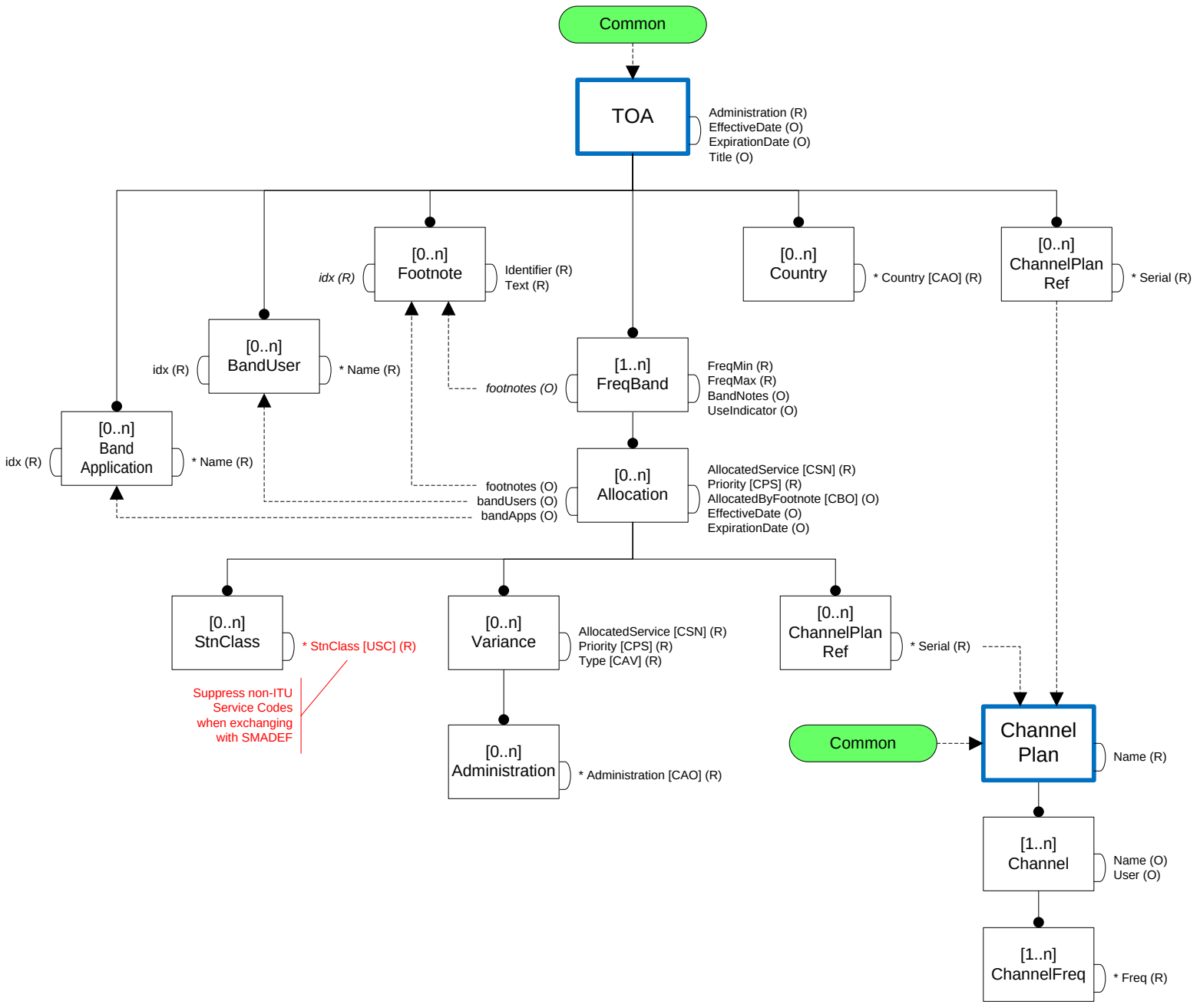

Common
Station
SSRequest
Satellite
Administration (O)
CallSign (O)
GeoAltitude (O)
GeoNominalLon (O)
InternationalDesignator (O)
LaunchDate (O)
LaunchLocRef (O)
LaunchStatus [CLS] (O)
NetworkName (O)
NonGeoApogee (O)
NonGeoInclination (O) {315, 415}
NonGeoNumSatellites (O) {319, 419}
NonGeoPerigee (O)
NonGeoPeriod (O) {318, 418}
ObjectNum (O)
OrbitType [CSP] (O)
ReviewDate (O)
Location
[0..n]
RFSystemRef
* Serial (R)
[0..n]
Identifier
Name (R)
Level [CNU] (O)
[0..n]
ServiceArea
* ServiceArea [CAO] (R)
RFSystem
[0..n]
EarthStation
LocationRef (O)
Name (O)
Type [CEA] (O)
Location

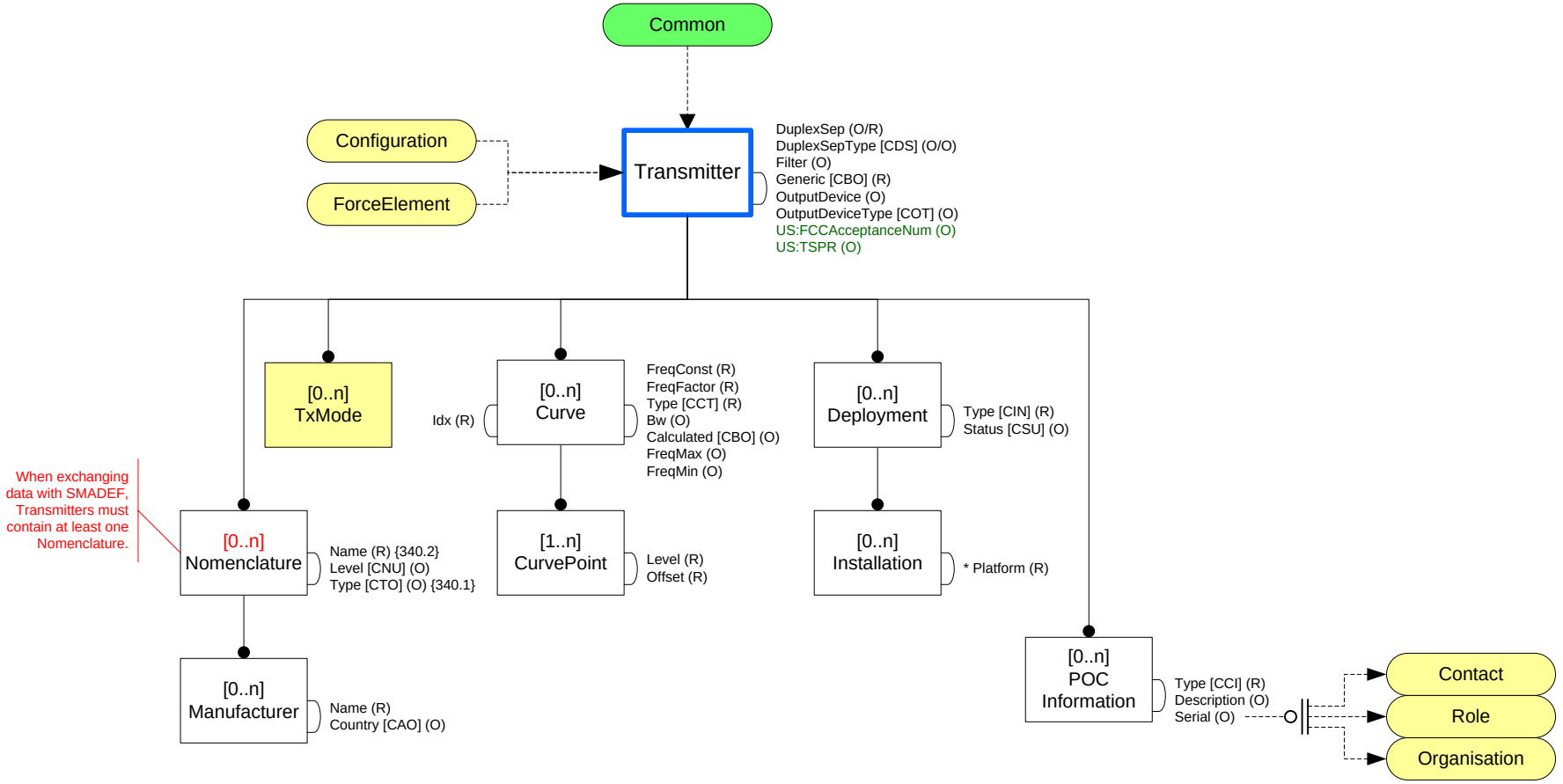

Common
Assignment
SSReply
EffectiveDate (R)
ReplyingCountry [CAO] (R)
SupportabilityCode [CCD] (R)
DateReceivedByCountry (O)
ExpirationDate (O)
ReviewDate (O)
SSRequestRef (O)
US:ApprovalSPSNum (O)
US:ERPNumber(O)
US:FASNumber (O)
US:IRACNumber (O)
US:ReplyingAuthority (O)
SSRequest
[0..n] Comment Source
Author (O)
Date (O)
JobTitle (O)
Source (O)
[0..n] Configuration
idx (R)
[0..n] Comment
* Comment (R)
[0..n] StageLocation
LocSatRef (R)
Excluded [CBO] (O)
Satellite
Location

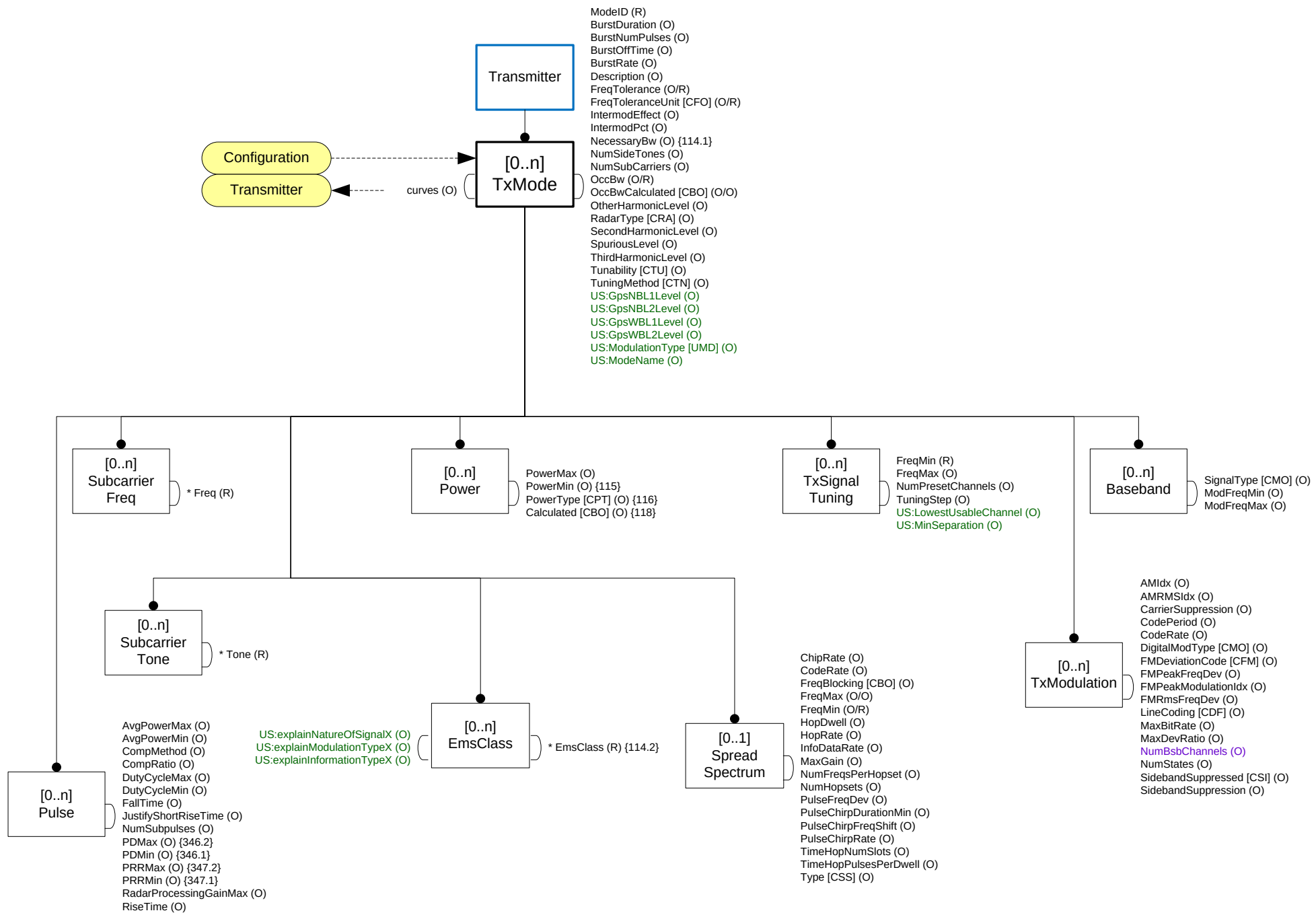


Color Key: Core Namespace, US Namespace, Divergence, Deprecated	Inherited Dataset	Referenced Dataset	Cardinality [x..y]	Go to Contents	SSRF	SSRequest	v60	24


These Location and Service Volume elements are not used by USA; use US:StationLoc, instead. These elements are used when exchanging data with SMADEF; only one Station Location may be sent per SMADEF dataset.
[1..n] Link
Assignment
[1..n]
[1..n] Station
StationID (R)
CallSign (O) {304, 404}
CositeSep (O)
CositeSepDescription (O)
LocationRadius (O) {306.1, 406}
LocSatRef (R)
NumAreaUnits (O)
NumCositedUnits (O)
NumMobileUnits (O)
ServiceVolumeHeight (O/O) {711.2}
ServiceVolumeLocRef (O/R)
ServiceVolumeRadius (O/O) {711.1}
TSDF (O)
UserCode (O)
US:AntStructureHeight (O) {356, 456}
US:Name (O)
US:StationControl (O) {302, 402}
Satellite
Location
Location
[0..n] POC Information
Type [CCI] (R)
Serial (O)
Description (O)
Contact
Role
Organisation
[1..n] US:StationLoc
US:LocationExcluded [CBO] (O) {531.1}
US:LocationRadius (O)
US:LocSatRef (O)
US:ServiceVolumeHeight (O)
US:ServiceVolumeLocRef (O)
US:ServiceVolumeRadius (O)
US:Satellite
US:Location
US:Location


Common
TOA
Administration (R)
EffectiveDate (O)
ExpirationDate (O)
Title (O)
[0..n] Footnote
idx (R)
Identifier (R)
Text (R)
[0..n] Country
* Country [CAO] (R)
[0..n] ChannelPlan Ref
* Serial (R)
[0..n] BandUser
idx (R)
* Name (R)
footnotes (O)
[1..n] FreqBand
FreqMin (R)
FreqMax (R)
BandNotes (O)
UseIndicator (O)
[0..n] Band Application
idx (R)
* Name (R)
footnotes (O)
bandUsers (O)
bandApps (O)
[0..n] Allocation
AllocatedService [CSN] (R)
Priority [CPS] (R)
AllocatedByFootnote [CBO] (O)
EffectiveDate (O)
ExpirationDate (O)
[0..n] StnClass
* StnClass [USC] (R)
Suppress non-ITU Service Codes when exchanging with SMADEF
[0..n] Variance
AllocatedService [CSN] (R)
Priority [CPS] (R)
Type [CAV] (R)
[0..n] ChannelPlan Ref
* Serial (R)
[0..n] Administration
* Administration [CAO] (R)
Common
Channel Plan
Name (R)
[1..n] Channel
Name (O)
User (O)
[1..n] ChannelFreq
* Freq (R)


Common
Configuration
ForceElement
Transmitter
DuplexSep (O/R)
DuplexSepType [CDS] (O/O)
Filter (O)
Generic [CBO] (R)
OutputDevice (O)
OutputDeviceType [COT] (O)
US:FCCAcceptanceNum (O)
US:TSPR (O)
[0..n]
TxMode
[0..n]
Curve
Idx (R)
FreqConst (R)
FreqFactor (R)
Type [CCT] (R)
Bw (O)
Calculated [CBO] (O)
FreqMax (O)
FreqMin (O)
[0..n]
Deployment
Type [CIN] (R)
Status [CSU] (O)
When exchanging data with SMADEF, Transmitters must contain at least one Nomenclature.
[0..n]
Nomenclature
Name (R) {340.2}
Level [CNU] (O)
Type [CTO] (O) {340.1}
[1..n]
CurvePoint
Level (R)
Offset (R)
[0..n]
Installation
* Platform (R)
[0..n]
Manufacturer
Name (R)
Country [CAO] (O)
[0..n]
POC
Information
Type [CCI] (R)
Description (O)
Serial (O)
Contact
Role
Organisation


Transmitter
ModeID (R)
BurstDuration (O)
BurstNumPulses (O)
BurstOffTime (O)
BurstRate (O)
Description (O)
FreqTolerance (O/R)
FreqToleranceUnit [CFO] (O/R)
IntermodEffect (O)
IntermodPct (O)
NecessaryBw (O) {114.1}
NumSideTones (O)
NumSubCarriers (O)
OccBw (O/R)
OccBwCalculated [CBO] (O/O)
OtherHarmonicLevel (O)
RadarType [CRA] (O)
SecondHarmonicLevel (O)
SpuriousLevel (O)
ThirdHarmonicLevel (O)
Tunability [CTU] (O)
TuningMethod [CTN] (O)
US:GpsNBL1Level (O)
US:GpsNBL2Level (O)
US:GpsWBL1Level (O)
US:GpsWBL2Level (O)
US:ModulationType [UMD] (O)
US:ModeName (O)
Configuration
Transmitter
curves (O)
[0..n]
TxMode
[0..n]
Subcarrier
Freq
* Freq (R)
[0..n]
Power
PowerMax (O)
PowerMin (O) {115}
PowerType [CPT] (O) {116}
Calculated [CBO] (O) {118}
[0..n]
TxSignal
Tuning
FreqMin (R)
FreqMax (O)
NumPresetChannels (O)
TuningStep (O)
US:LowestUsableChannel (O)
US:MinSeparation (O)
[0..n]
Baseband
SignalType [CMO] (O)
ModFreqMin (O)
ModFreqMax (O)
[0..n]
Subcarrier
Tone
* Tone (R)
[0..n]
Pulse
AvgPowerMax (O)
AvgPowerMin (O)
CompMethod (O)
CompRatio (O)
DutyCycleMax (O)
DutyCycleMin (O)
FallTime (O)
JustifyShortRiseTime (O)
NumSubpulses (O)
PDMax (O) {346.2}
PDMin (O) {346.1}
PRRMax (O) {347.2}
PRRMin (O) {347.1}
RadarProcessingGainMax (O)
RiseTime (O)
US:explainNatureOfSignalX (O)
US:explainModulationTypeX (O)
US:explainInformationTypeX (O)
[0..n]
EmsClass
* EmsClass (R) {114.2}
[0..1]
Spread
Spectrum
ChipRate (O)
CodeRate (O)
FreqBlocking [CBO] (O)
FreqMax (O/O)
FreqMin (O/R)
HopDwell (O)
HopRate (O)
InfoDataRate (O)
MaxGain (O)
NumFreqsPerHopset (O)
NumHopsets (O)
PulseFreqDev (O)
PulseChirpDurationMin (O)
PulseChirpFreqShift (O)
PulseChirpRate (O)
TimeHopNumSlots (O)
TimeHopPulsesPerDwell (O)
Type [CSS] (O)
[0..n]
TxModulation
AMIdx (O)
AMRMSIdx (O)
CarrierSuppression (O)
CodePeriod (O)
CodeRate (O)
DigitalModType [CMO] (O)
FMDeviationCode [CFM] (O)
FMPeakFreqDev (O)
FMPeakModulationIdx (O)
FMRmsFreqDev (O)
LineCoding [CDF] (O)
MaxBitRate (O)
MaxDevRatio (O)
NumBsbChannels (O)
NumStates (O)
SidebandSuppressed [CSI] (O)
SidebandSuppression (O)

Applying the Standard Element Template

1. Element model attributes are applied to each element that is a simple element. Element attributes only apply to the element content, not to other attributes.

2. If attributes should remain the same across multiple simple elements, business process rules will ensure consistency. For example, First Name and Last Name, points on the same curve, and the frequencies in a frequency range have the same classification and handling information.

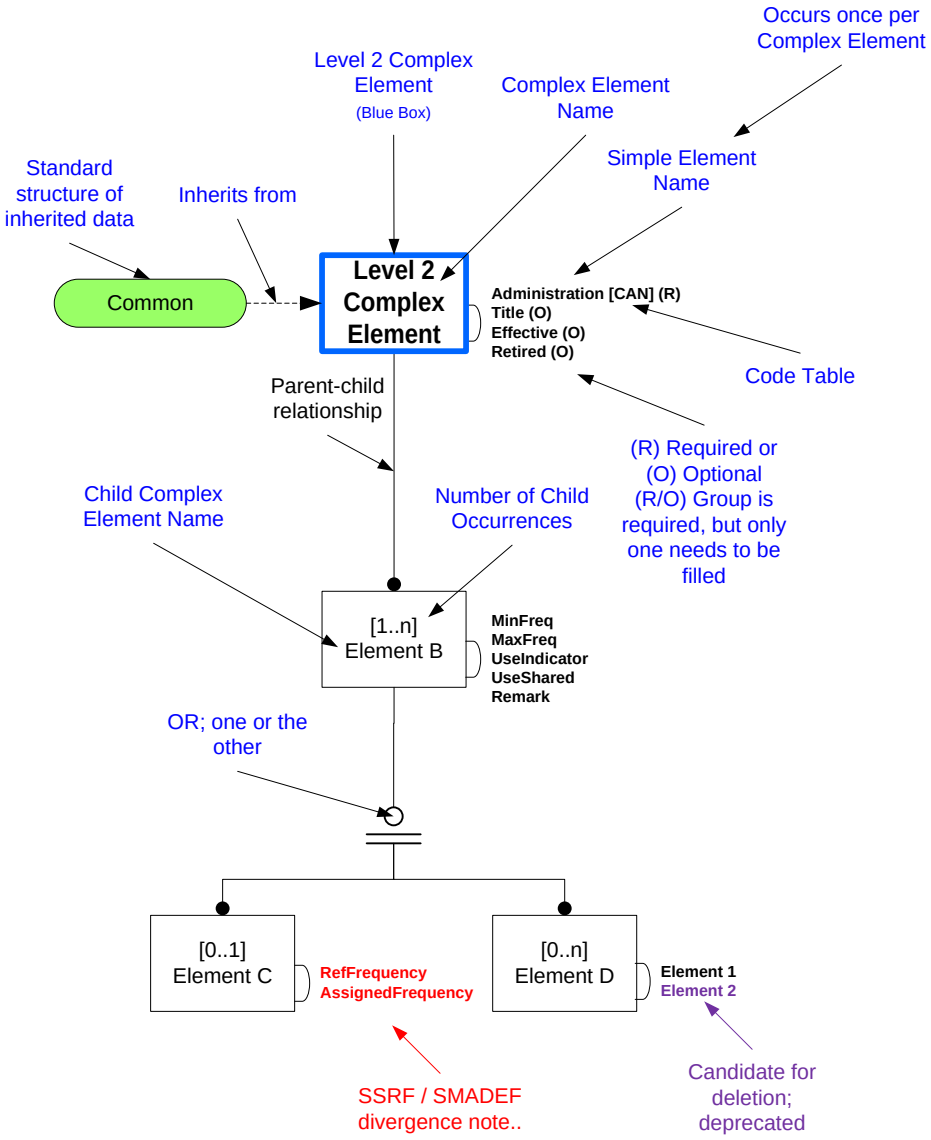
- "SUPP" {502}
- "RMKS" {503}
- "DESCR" {520}

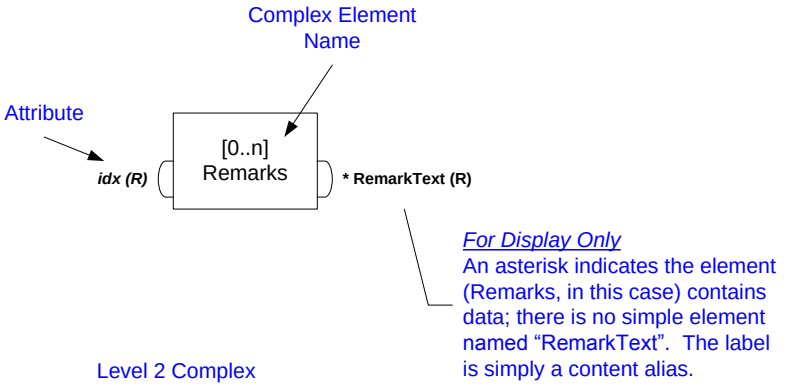
Standard Element Model -- Each simple element will have:

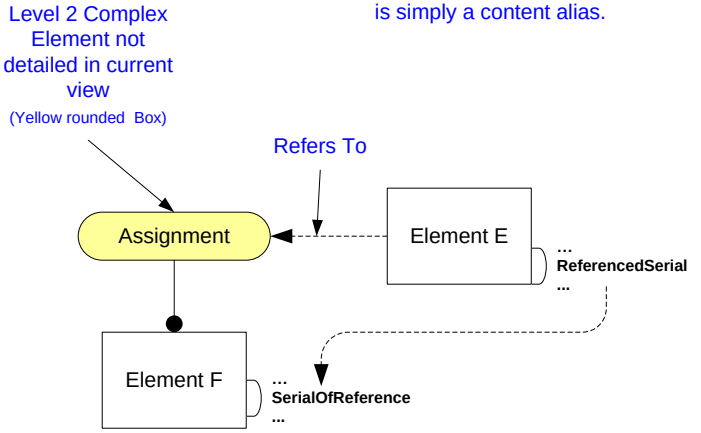
Attribute Name	Type	Comment
cls [CCL] (R)	Single	Security classification of simple elements, overall dataset class of Level 2 dataset
remarks (O)	List	RemarkIdx, from level 3 Common data construct, separated by whitespace
extReference (O)	List	extReferenceIdx from level 3 Common data construct containing all external references used in the dataset, separated by whitespace
US:quality (O)	Single	Choices TBD: Outlier, Non-CodeList,
US:recommendedValue	Single	The manually entered, automatically calculated or statistically derived probable correct value, for data items with negative quality entries
US:availablity (O)	Single	Choices: UNKNOWN, N/A and NAVAIL. Element will most likely be empty.

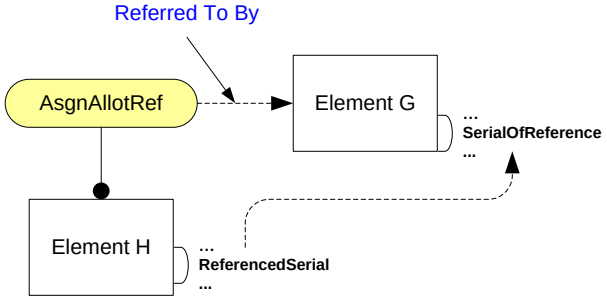
Standard Element Model -- Each Dataset will have:

Releasability (O)	List	CCY code list for constructing "REL TO" strings – at Level 2 Dataset level, only
US:legacyReleasability	Char(250)	May contain decoded RL code table code(s) or other entries from the originating system (SCS, EL-CID, JETS)


Standard structure of inherited data
Inherits from
Level 2 Complex Element (Blue Box)
Complex Element Name
Occurs once per Complex Element
Simple Element Name
Common
Level 2 Complex Element
Administration [CAN] (R)
Title (O)
Effective (O)
Retired (O)
Code Table
Parent-child relationship
(R) Required or (O) Optional (R/O) Group is required, but only one needs to be filled
Child Complex Element Name
Number of Child Occurrences
[1..n] Element B
MinFreq
MaxFreq
UseIndicator
UseShared
Remark
OR; one or the other
[0..1] Element C
RefFrequency
AssignedFrequency
[0..n] Element D
Element 1
Element 2
SSRF / SMADEF divergence note..
Candidate for deletion; deprecated


Complex Element Name
Attribute
[0..n] Remarks
idx (R)
* RemarkText (R)
For Display Only
An asterisk indicates the element (Remarks, in this case) contains data; there is no simple element named "RemarkText". The label is simply a content alias.


Level 2 Complex Element not detailed in current view
(Yellow rounded Box)
Refers To
Assignment
Element E
...
ReferencedSerial
...
Element F
...
SerialOfReference
...


Referred To By
AsgnAllotRef
Element G
...
SerialOfReference
...
Element H
...
ReferencedSerial
...