# Technical Agreement (TA)

# the interface

# Personal tracking - ILASST

System 1: Unit Number: 3784

system : Person positioning system (POS)

supplier ANS Sea Systems GmbH

System 2: Unit number:

system : ILASST

supplier : Siemens AG

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## introduction

This document describes the interface between the

**Assembly 3784 personal**
**tracking system**
**the company Active Network Sea Systems GmbH**

and the

**assembly 3700**
**ILASST of**
**Siemens AG**

This document is the Technical Agreement System / system, which is defined in the TAzV to the individual contract between AG and AN. It is considered interface specification for said interface and provides the only document this. It sets out the technical responsibilities of the respective parties for the information to be provided and forms the basis for resolving possible conflicts regarding the interface aspects.

The parties undertake to handle all interface aspects that are covered by this document in the required depth to ensure the proper functioning of the interface. The parties hereby declare themselves ready any interface aspect which is not covered by this document, but is necessary for the proper function of the interface to receive by changing in this interface document.

The following figure shows the TA this underlying interface arrangement. This TA only describes the connection of ILASST and POS application level. The underlying interfaces are described in the referenced documents in the figure.

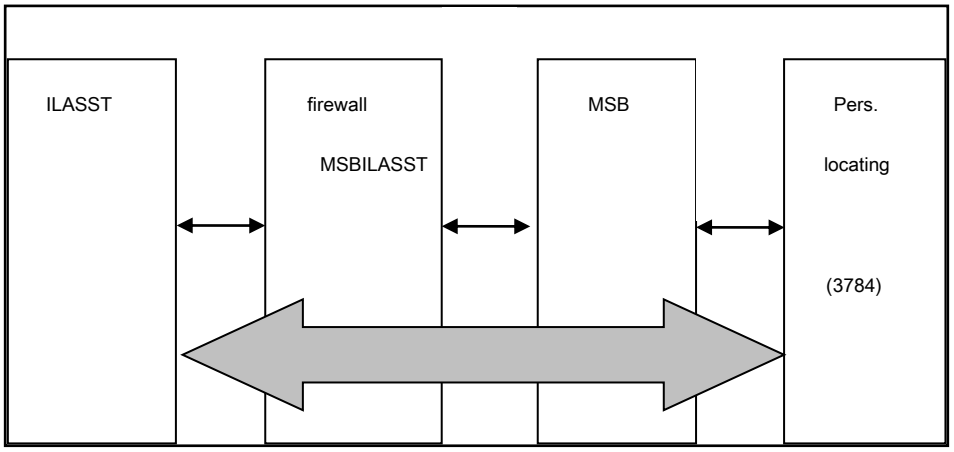


Figure 1: Overview of the modules / interfaces involved

## Revision History

| revision date | | Change (page / section) | description |
|---|---|---|---|
| 0 | 10/20/11 | Everything | initial creation |
| A | 25/01/2013 3.1<br><br><br>3.3 / 3.4<br>3.7.4 supplement<br>4.2 tag numbers<br>Everything | | Set changed / specified: ILASST always also sends **both** POS server<br>NMEA definitions Wording changed / specified<br>Updating system status, start sequence POS<br>3784 .... -> 3785 ...<br>formatting unified, Picture and from Tables added, "Repeat heading" for long tables turned, "GMT"<br><br>Revision A, not 1.0 |
| B | 29/07/2014 Final for initialling | | Final for initialling (formatting) |
| C | 19/03/2016 All<br><br>3.2<br>3.6<br>3.7.4<br>4.7 | | Formatting (tables)<br>Adaptation of IP addresses, firewall and port definitions<br>Changes from RFC, adjustment of the cycle for the records<br>Clarification $ PANSSY, B Fault<br>corrected cleanup of the system numbers to 01, RM-identifier |
| D | 05/02/2018 4.1<br><br>4.2<br>4.3<br>4.4<br>4.5<br>4.6 | | ANS days 24,38,47,48,54,56,60,61 and removes<br>ANS days 24,38,47,48,54,56,60,61 and removes<br>ANS day 24,38,47,48,54,56,60,61,66,67 and removes<br>ANS day 24,38,47,48,54,56,60,61,66,67 and removes<br>ANS day 115 and removes<br>ANS day 115 and removes |

## Applicable Documents

| Ref. | title | document number | author | Version / Date |
|---|---|---|---|---|
| [1] | Personal tracking limits / sectors Overview arrangement | 111979-3784-K-0200 | BVN | H |
| [2] | Personal tracking concept | 111979-3784-K-0101 | BVN | C |

# 1 Brief description of the systems

## 1.1 Personnel Tracking System

The personal tracking system is a system for the quantitative determination of the whereabouts of the crew on board the F125. To this end, space marks (solid installed Transmit / receive units) on the doors and passageways between the various departments and decks of F125 installed (per pass 2 space marks). Each crew member receives an active TAG (mobile transmitter / receiver unit). Are the tags in the transmission / reception area of a room brand TAG ID is transmitted by radio to the Space brand. The ID of the tag is then passed by the room brands via a network (MSB) to the POS server. There, all the data of the tags and space marks are recorded (the number of people currently reside in the individual departments / decks, F125). This information is transmitted to the ILASST, for display on a process picture on the MSB. The transmission of the tag ID is encrypted. The POS has a management notebook to manage the POS components.

## 1.2 ILASST

The integrated control and automation system Marine Technology (ILASST) has the task of reliable automated monitoring and control of technological processes of the platform system and the implementation of information, control and management functions in part together with other Subsystems. This applies equally to the damage prevention in sea and in port. With the help of a corresponding sensor system for fire and water intrusion detection and information about the on-board potential hazards the information loss situations are so prepared and displayed that the crew / ship's command is able to make decisions to avoid any damage.

The ILASST is a subsystem of the platform system F125 frigate.

It includes the

- Monitoring,
- control and
- Regulation of processes in the maritime sector, that is, the processes in the plant
- of the drive,
- the electric energy production, and distribution (power management (PM)),
- the operation of ships and
- the vessel protection / damage (inner battle).

The ILASST uses to communicate its own redundant data bus system.

The ILASST communicates via the MSB with the systems FüWES HW / SW, CCTV, KMS server (Black), NAV, FachInfoSys and personal tracking.

## 2 interface task

The POS central unit consists of two POS servers. These are incorporated to increase redundancy spatially separated in different fire in server racks. Each server has two network connections to the MSB, bit rate 1000 Mbit / s. Both terminals are connected together to the resiliency to a fail-over trunk. About the MSB data of the room marks on both POS server are sent. The two POS server determine the number of people per department and deck (sector). The information collected is stored in a table for number of people / sector in a database. All relevant data is transmitted via the MSB to the ILASST. In addition, the status information of the person tracking system (eg forwarded the states of the TAGs and the space brands) to the ILASST and processed. About the ILASST the personal tracking system can be deactivated (eg EMCON). The need for evaluation states of doors and hatches are also transferred from ILASST to the POS through this interface.

In case of failure of a network connection to the POS server, the redundant network connection is switched with the same IP without operator intervention. There is no failure or significant loss of information.

Both POS servers have the same data, but it only provides the master POS server its calculated values to the ILASST systems. If a fault of the master POS server automatically the slave POS server provides the computed data to the ILASST systems. This means that the slave POS server to the master POS server.

The defective POS server can only be classified as informative secure system after the initialization phase (reading all tags on Spatial brands) again. If in this time, another failure while the POS servers, no reliable evaluation of the data is possible.

As a result, the overall status of the POS is set to "inactive". There is a message to the two ILASST server. If this message fail due to a defect of both POS server, it is for the ILASST, based on the lack of cyclically failures in the system (every 5 seconds) sent status message of the POS, this classified according to their discretion as "inactive".

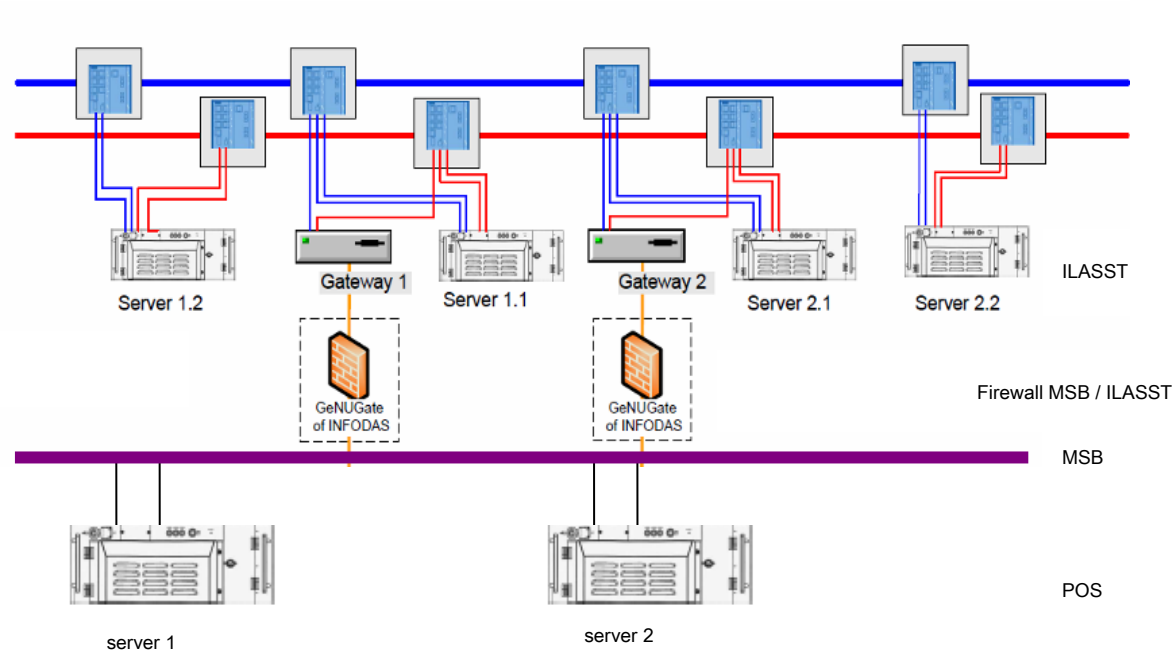


Figure 2: Schematic diagram, connection of the POS server with the ILASST servers

# 3 Interface Specification

## 3.1 Data communication between ILASST and POS

The communication between the POS and the ILASST via the two POS server. The active POS server sends all information to the two known ILASST server.

There is also a communication from ILASST system for both POS servers. This is required for a position display of tags to retrieve at a certain point in history, as well as for the transmission of status data of the doors and for the shutdown of Poss end modules.

News from ILASST (status, radio silence, special evaluation) will be sent to both POS server.

All communication is done via the MSB to an Ethernet-based connection.

The couplings are established between fixed to defining ports and can be transmitted through gateways and firewalls.

The interface used is realized via the standard 'NMEA / UDP'. ( 'NMEA standard 0183' over UDP / IP; NMEA = National Maritime Electronics Association; formerly serial interface - now over UDP / IP).

### 3.2 IP addresses and ports

| protocol | IP address | port number |
|---|---|---|
| ILASST Server 1.1 | 192.168.11.11 | 1895 55554 (configurable) |
| ILASST Server 1.2 | 192.168.11.12 | 1895 55555 (configurable) |
| POS server 1 | 10.1.76.1/22 | 7095, 55556 (configurable) |
| POS Server 2 | 10.1.76.10/22 | 7095, 55557 (configurable) |
| MSB Gateway VLAN 176 | 10.1.76.254 | n / A |
| NTP Server 1 | 10.1.4.1 | n / A |
| NTP Server 2 | 10.1.4.2 | n / A |
| NTP Server 3 | 10.1.4.3 | n / A |
| firewall 1 | 10.1.68.10 | n / A |
| firewall 2 | 10.1.68.11 | n / A |

Table 1: IP addresses and port numbers of the systems involved

The ports can be configured later be adapted to the requirements ILASST and firewall.

the firewall for UDP packet transfer (nmea 0183 over IP) to be configured as follows for the commissioning of the interface:

| Transmission - IP | S port number | Target - IP | D port number | aim |
|---|---|---|---|---|
| 10.1.76.1/22 | 7095 (configurable in POS-DB) | 10.1.68.10 | 55554 (configurable in XML) | ILASST Server 1.1 |
| 10.1.76.1/22 | 7095 (configurable in POS-DB) | 10.1.68.11 | 55555 (configurable in XML) | ILASST Server 1.2 |
| 10.1.76.10/22 | 7095 (configurable in POS-DB) | 10.1.68.10 | 55554 (configurable in XML) | ILASST Server 1.1 |
| 10.1.76.10/22 | 7095 (configurable in POS-DB) | 10.1.68.11 | 55555 (configurable in XML) | ILASST Server 1.2 |
| 192.168.11.11/24 | 1335 (configurable in XML) | 172.20.65.14/28 55556 | (configurable in POS DB) | POS server 1 |
| 192.168.11.12/24 | 1336 (configurable in XML) | 172.20.65.14/28 55557 | (configurable in POS DB) | POS Server 2 |

### 3.3 Structure of the UDP / NMEA packages

The individual NMEA packets are packed together independently to one or more UDP packets from the two POS systems. They are then transferred to the ILASST systems.

The UDP NMEA telegram looks like this:

| | | | |
|---|---|---|---|
| DWORD num | | 4 | byte |
| WORD | id | 2 | byte |
| WORD | crc16 | 2 | byte |
| timespec | timestamp | 8th | byte |
| DWORD | reserved1 | 4 | byte |
| DWORD | reserved2 | 4 | byte |
| BYTE | data | 1280 bytes (maximum) | |

Only the first three and uses the last field. All others are to impose zero. The "num" field contains the number of the NMEA sentences (see below) in the field "data".

It takes advantage of the maximum message size for sending the records.

The "id" field is an identifier and is not currently used; this is filled with zero.

The "crc16" field contains the checksum is calculated over the contents of the package.

The "data" field contains the actual NMEA sentences.

The unused fields are initialized to zero. In this way, the checksum can be easily computed or verified.

The algorithm for calculating the checksum (in pseudo code):

```
WORD compute_crc16 (BYTE * str, int len) {

    BYTE bit = 0; BYTE accu =
    0; WORD crc = 0;


    for (crc = 0xFFFF; len; len--, str ++) {

        for (bit = 0x80; bit) {

            accu = crc & 0x8000? 0xFF 0x00; CRC = CRC << 1; accu ^ = * str;
            if (accu & bit)


                crc ^ = 0x1021; / * X ^ 16 + x ^ 12 + x ^ 5 + 1 * / bit = bit >> 1; }}



    return crc; }
```

## 3.4 Interface 'standard 0183'

To replace the data NMEA IP / UDP "NMEA 0183" is used protocol. The NMEA 0183 interface is standardized. In NMEA 0183 ( "listener") will be between devices which transmit data ( "Talker"), and devices that receive data discriminated. While a sender can provide multiple recipients, a so-called multiplexer is necessary for the use of multiple transmitter for common receiver.

Data transfer is in small data units called "NMEA Sentences' in the Hereinafter referred to "set". The number of characters per set is limited to 82nd

Multiple sets can be combined into a UDP datagram and are then referred to as NMEA telegram. The to be transmitted contents of the telegram is to a maximum of 1280 bytes in the "data" (see above, construction of the packets) limited; with the telegram header is maximized 1,304 bytes.

A set consists of readable ASCII characters and has the following basic structure of the user data in the datagram:

**$ Aaaa, c - c * hh <CR> <LF>**

| | |
|---|---|
| **$** | Start of the set |
| **aaaa** | Set identification |
| **","** | Field delimiter (Hex 2C) |
| **c - c** | Payload data (if necessary with div. Additional field separators) |
| * | Checksum separator (HEX 2A) |
| **hh** | (Encoded ASCII 2-byte hexadecimal value) checksum |

**<CR> <LF>** End of the sentence (HEX 0D 0A)

There are some predefined record formats in the standard that are intended for communication with navigation devices. But it is intended to agree for special purposes on special record formats between the coupling partners.

### 3.5 Central NTP time of POS systems

The "Network Time Protocol" (NTP) is a standard for synchronizing times
Computer networks.

It was specifically designed to enable reliable timing over networks with variable packet runtime. NTP uses the connectionless UDP transport protocol.

The two POS server get the time from the parent MSB servers and act for the connected space brands and managing laptops as a time source. This ensures that the database entries with the central ship time take place.

ILASST the time source brings itself directly from the NTP server.

The entire POS works with Coordinated Universal Time (abbreviated UTC). All database queries and evaluations are based on UTC.

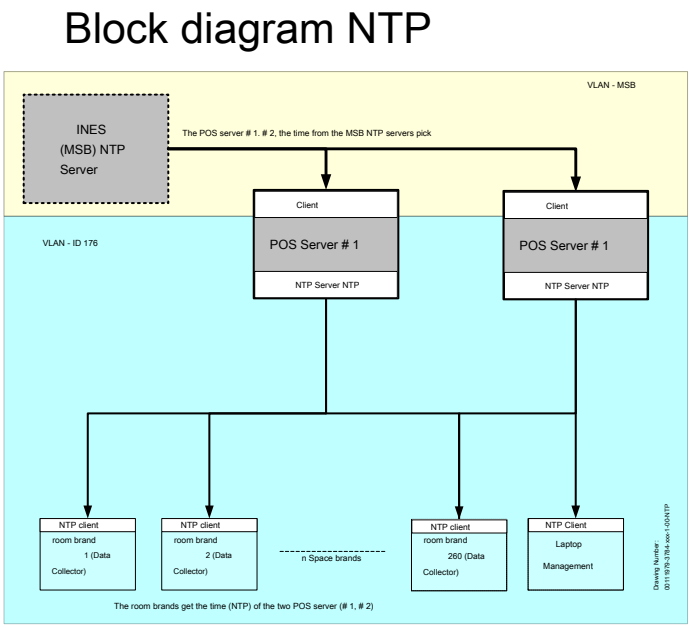


Figure 3: time distribution via NTP

## 3.6 records

A cyclical transmission for each record type is done with the defined in the table repeat rate for the number of tags for each sector, and the status of space brands and sector boundaries. Changes are shipped with the resulting dependencies immediately (1-2Sekunden).

The record types PANSSR, PANSSS, PANSPT be sent sequentially to each other in time sequence.

Other phrases (eg TAG status) are sent in a significantly slower cycle.

The following information is exchanged between the POS and ILASST:

| record | transmitter | cycle | description |
|---|---|---|---|
| PANSSR | POS | If changes immediately (1-2 seconds), otherwise every 5 minutes (programmable) | Overall status of the room brands |
| PANSSS | POS | If changes immediately (1-2 seconds), otherwise every 5 minutes in the offset to PANSSR (programmable) | Overall status of the sector boundaries |
| PANSHS | POS | N / A | Overall status of the sector boundaries (historic) |
| PANSSY | POS | 5 seconds | Overall status of the system |
| PANSST | POS | If changes immediately (1-2 seconds), otherwise every 5 minutes in the offset to PANSSS (programmable) | Overall status of the TAGs |
| PANSPT | POS | If changes immediately (1-2 seconds), otherwise every 5 minutes (programmable) | Number of tags (sector) |
| PANSHT | POS | N / A | Number of tags (Sector (historical)) |
| PANSZA | ILASST | N / A | Time special evaluation freely defined by the user (within the last 24 hours) |

| record | transmitter | cycle | description |
|---|---|---|---|
| PANSFU | ILASST | N / A<br>is 3 times sent | Silence with all POS server space marks and tags |
| PANSTS | ILASST | Adjustable / immediately | Status of the doors and hatches from ILASST |

Table 2: List of NMEA sentences used between POS and ILASST

## 3.7 Communication POS • ILASST

The information listed below will be passed cyclically to the two ILASST server.

### 3.7.1 Status Space brands

$ PANSSR, RAU, y * hh <CR> <LF>

| | | |

A BC

| field | format | Surname | description |
|---|---|---|---|
| A | PANSSR | Set identification | Overall status of the room brands |
| B | ROUGH | room brand | Space tag number<br>RAU = 1-259 number of the room brand<br>For single-digit or double-digit numbers: without leading zeros. |
| C | y | Room brand status | y = 0, no fault is due to<br>y = 1 error (alarm) |

### 3.7.2 Status sector boundaries

$ PANSSS, SEK, y * hh <CR> <LF>

| | | |

A BC

| field | format | Surname | description |
|---|---|---|---|
| A | PANSSS | Set identification | Overall status of the section |
| B | SEK | sector | Sector boundaries numbers<br>SEK = 1-200 number of the sector boundary<br>For single-digit or double-digit numbers: without leading zeros. |
| C | y | Sector boundaries Status | Status of the sector boundary<br>y = 0, no fault is due to<br>y = 1 Malfunction |

### 3.7.3 Status sector boundaries (historical)

$ PANSHS, YYYY.MM.DD, hhmmss, SEK, y * hh <CR> <LF>

| | | | | |
|---|---|---|---|---|
| A | B | C | DE | |

| field | format | Surname | description |
|---|---|---|---|
| A | PANSHS | Set identification | Overall status of the section |
| B | YYYY.MM.DD Date historic | Special analysis from ILASST | Year, month, day in UTC<br>The requested from ILASST date is evaluated by the POS and then returned to the ILASST. |
| C | hhmmss | Time of historic special evaluation of ILASST | Hour, minute, second in UTC<br>The requested from ILASST time is evaluated by POS, and returned to the ILASST. |
| D | SEK | sector | Sector boundaries numbers<br>SEK = 1-200 number of the sector boundary<br>For single-digit or double-digit numbers: without leading zeros. |
| e | y | Sector boundaries Status | Status of the sector boundary<br>y = 0, no fault is due to<br>y = 1 Malfunction |

The POS sends NMEA sentences of this type only in response to a corresponding request telegram (Section 3.8.1, special evaluation '). Each request a special evaluation is answered this type with a full set NMEA sentences which completely describes all the sector boundaries (historic).

### 3.7.4 System Status

$ PANSSY, u, v, w, x, SUM, SUM 1, y * hh <CR> <LF>

| | | | | | |

A BC DE FGH

| field | format | Surname | description |
|---|---|---|---|
| A | PANSSY | Set identification | Overall status of the system |
| B | u | SYS 'system status | System status of the entire POS<br>u = 0 no disturbance is due to<br>u = 1 (Critical status database) disorder |
| C | v | , POS1 'Server Status | Status of the POS server 1<br>v = 0 no disturbance is due to<br>v = 1 disorder<br>v = 2 Initialization of the POS 1 |
| D | w | , POS2 'Server Status | Status from the POS server 2<br>w = 0 no disturbance is due to<br>w = 1 Malfunction<br>w = 2 Initialization of the POS 2 |
| e | x | FUN 'radio silence | Status of silence<br>x = 0 radio silence manufactured (POS -> ILASST)<br>x = 1 radio silence canceled (POS -> ILASST)<br>x = 2 radio silence disturbed (POS -> ILASST, alarm) |
| F | SUM | Total number of TAGs | Total number of logged-on tags<br>SUM = 0-450<br>For single-digit or double-digit numbers: without leading zeros. |
| G | SUM 1 | Number of missing TAGS | Total number of missing tags<br>SUM = 0-450<br>For single-digit or double-digit numbers: without leading zeros. |

| field | format | Surname | description |
|---|---|---|---|
| H | y | INIT POS | Request the handover of the ship status ILASST<br>y = 0 Normal operation ILASST<br>y = 1 Request the overall status (POS> ILASST)<br>ILASST transmitted to this request the complete status of silence and doors to ensure a secure start-up of POS.<br>was the POS will assume the "Init" mode radio silence and not issue broadcasting license for the space marks and tags when the ILASST a message of type PANSFU (Sec. 3.8.2) with content received "no radio silence". |

### 3.7.5 Status DAY

$ PANSST, TAG, u, v, w * hh <CR> <LF>

| | | | | |

A B CDE

| field | format | Surname | description |
|---|---|---|---|
| A | PANSST | Set identification | Overall status of the TAGs |
| B | DAY | TAG number | TAG number<br>TAG = 1- 450 ID of the tag<br>For single-digit or double-digit numbers: without leading zeros. |
| C | u | , TAGS 'TAG status | Status of the TAG<br>u = 0 No fault is on<br>u = 1 error (alarm in ILASST) |
| D | v | , TAGB 'DAY<br>battery status | Battery status of the TAG<br>v = 0, no fault is due to<br>v = 1 battery is LOW<br>(Warning in ILASST) |
| e | w | , TAGM 'TAG sighting | When was the last seen DAY<br>w = 0 tag is located and booked<br>w = 1 missing TAG (about 12 hours)<br>(Alarm in ILASST)<br>w = 2 TAG was 6 (default)<br>read hours from any room brand.<br>(Warning in ILASST)<br>w = 3 TAG is booked |

### 3.7.6 Number of tags in the sector

$ PANSPT, SEK, yyy, z * hh <CR> <LF>

| | | | |

A BCD

| field | format | Surname | description |
|---|---|---|---|
| A | PANSPT | Set identification | Number of tags in the sector |
| B | SEK | sector | sector number<br>SEK = 1-78 log number. sector number<br>For single-digit or double-digit numbers: without leading zeros. |
| C | yyy | Number of tags in the sector | Number of tags in the sector<br>yyy = 0-450 number in the sector<br>For single-digit or double-digit numbers: without leading zeros. |
| D | z | sector status | Status of the sector<br>Is a sector inactive, is the located there number of persons the dahinter- / overlying sector assigned.<br>z = 0 Inactive<br>z = 1 active |

### 3.7.7 Number of tags in the sector (historically)

$ PANSHT, YYYY.MM.DD, hhmmss, SEK, yyy, z * hh <CR> <LF>

| | | | | | |

A B C DEF

| field | format | Surname | description |
|---|---|---|---|
| A | PANSHT | Set identification | Number of tags in the sector |
| B | YYYY.MM.DD | date at of the special evaluation from ILASST | Year, month, day in UTC<br>The requested from ILASST date is evaluated by the POS and then returned to the ILASST. |
| C | hhmmss | time of day at of the special evaluation from ILASST | Hour, minute, second in UTC<br>The requested from ILASST time is evaluated by POS, and returned to the ILASST. |
| D | SEK | sector | sector number<br>SEK = 1-78 log number. sector number<br>For single-digit or double-digit numbers: without leading zeros. |
| e | yyy | Number of tags in the sector | Number of tags in the sector<br>yyy = 0-450 number in the sector<br>For single-digit or double-digit numbers: without leading zeros. |
| F | z | sector active | Is a sector inactive, the located there number of persons assigned to the dahinter- / overlying sector<br>0 = inactive<br>1 = active |

The POS system sends NMEA sentences of this type only in response to a corresponding request message (Section 3.8.1 , Special evaluation '). each request one Special evaluation is answered with a full set NMEA sentences of this type, the tags in the sector is describing all numbers (historical).

## 3.8 Communication ILASST • POS

### 3.8.1 Special evaluation

The information listed below may be given for a special evaluation from ILASST to both POS server.

It is possible to make a user-defined time within the last 24 hours to display on the ILASST. The ILASST is using the following sentence a request for the desired point in history to the POS server. The command for such a special evaluation is sent from ILASST unique and well once with a complete set of historical 'data from the personal tracking system (s. Sections 3.7.3 + 3.7.7) answered.

$ PANSZA, YYYY.MM.DD, hhmmss * hh <CR> <LF>

| | | |
|---|---|---|
| A | B | C |

| field | format | Surname | description |
|---|---|---|---|
| A | PANSZA | Set identification | Time-defined special evaluation of the TAGs, room brands, system status, sections |
| B | YYYY.MM.DD date | of the<br>Special analysis from ILASST | Year, month, day in UTC<br>Range: system time - 24 hours |
| C | hhmmss | time of day of the<br>Special analysis from ILASST | Hour, minute, second in UTC<br>Range: system time - 24 hours |

### 3.8.2 silence

$ PANSFU, A * hh <CR> <LF>

| |

A B

| field | format | Surname | description |
|---|---|---|---|
| A | PANSFU | Set identification | Silence with all POS Server |
| B | A | radio silence at all<br>Space brands and tags | A = 0 no radio silence<br>A = 1 Funkstille |

### 3.8.3 door status

$ PANSTS, TS, A * hh <CR> <LF>

| | | |

A BC

| field | format | Surname | description |
|---|---|---|---|
| A | PANSTS | Set identification | Status of the doors and hatches from ILASST |
| B | TS | door number | Doors / hatch numbers<br>Number range for the doors / hatches (1 - 99)<br>For single-digit numbers: no leading zeros. |
| C | A | door status | door status<br>A = 0 ON<br>A = 1 TO |

### 3.8.3.1 list of all doors and hatches:

| room | TST ILASST object ID name | | |
|---|---|---|---|
| Funk (equipment) space | 1 | 4681_810 | WATERPROOF KLAPPTUER-09D0 |
| OPZ | 2 | 4681_648 | WATERPROOF KLAPPTUER-10B20.2 |
| CTG | 3 | 4681_803 | WATERPROOF LUKE FHD REAR 2 |
| bridge | 4 | 4681_676 | WATERPROOF KLAPPTUER-10D20.1 |
| | 5 | 4681_677 | WATERPROOF KLAPPTUER-10D20.2 |
| Mast Module aft u. RAM / MAS equipment room | 6 | 4681_811 | WATERPROOF KLAPPTUER-05C4 |
| | 7 | 4681_844 | WATERPROOF KLAPPTUER-05D0 |
| | 8th | 4681_816 | WATERPROOF KLAPPTUER-06F0 |
| | 9 | 4681_727 | WATERPROOF LUKE FGD06 |
| Mast module front | 10 | 4681_832 | WATERPROOF KLAPPTUER-10E0 |
| | 11 | 4681_833 | WATERPROOF LUKE FJD10 |
| hangar tr | 12 | 4933_008 | hangar tr |
| hangar Bb | 13 | 4933_003 | hangar Bb |

Table 3: List of the agreements between the POS and ILASST door and Luke states

# 4 assignment of POS variables ILASST

**Measuring points / components**

## 4.1 Number of tags per sector

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 1 | 3784_900_X1 | SEKTOR_01-08 | ANZ congestion Abt IV | |
| 2 | 3784_900_X2 | | ANZ congestion Division V | |
| 3 | 3784_900_X3 | | ANZ congestion Division VI | |
| 4 | 3784_900_X4 | | ANZ congestion Abt VII | |
| 5 | 3784_900_X5 | | ANZ congestion Abt VIII | |
| 6 | 3784_900_X6 | | ANZ congestion Abt IX | |
| 7 | 3784_900_X7 | | ANZ congestion Abt X | |
| 8th | 3784_900_X8 | | ANZ congestion Abt XI | |
| 9 | 3784_901_X1 | SEKTOR_09-16 | ANZ congestion Dept. XII | |
| 10 | 3784_901_X2 | | ANZ congestion Abt XIII | |
| 11 | 3784_901_X3 | | ANZ platform deck Dept. I | |
| 12 | 3784_901_X4 | | ANZ platform deck Dept. II | |
| 13 | 3784_901_X5 | | ANZ platform deck Dept. III | |
| 14 | 3784_901_X6 | | ANZ platform deck Abt IV | |
| 15 | 3784_901_X7 | | ANZ platform deck Division V | |
| 16 | 3784_901_X8 | | ANZ platform deck Division VI | |
| 17 | 3784_902_X1 | SEKTOR_17-23 | ANZ platform deck Abt VII | |
| 18 | 3784_902_X2 | | ANZ platform deck Abt VIII | |
| 19 | 3784_902_X3 | | ANZ platform deck Abt IX | |
| 20 | 3784_902_X4 | | ANZ platform deck Abt X | |
| 21 | 3784_902_X5 | | ANZ platform deck Abt XI | |
| 22 | 3784_902_X6 | | ANZ platform deck Dept. XII | |
| 23 | 3784_902_X7 | | ANZ platform deck Abt XIII | |
| 25 | 3784_903_X1 | SEKTOR_25-32 | ANZ steerage Dept. II | |
| 26 | 3784_903_X2 | | ANZ steerage Dept. III | |
| 27 | 3784_903_X3 | | ANZ steerage Abt IV | |
| 28 | 3784_903_X4 | | ANZ steerage Division V | |
| 29 | 3784_903_X5 | | ANZ steerage Division VI | |
| 30 | 3784_903_X6 | | ANZ steerage Abt VII | |
| 31 | 3784_903_X7 | | ANZ steerage Abt VIII | |
| 32 | 3784_903_X8 | | ANZ steerage Abt IX | |
| 33 | 3784_904_X1 | SEKTOR_33-40 | ANZ steerage Abt X | |
| 34 | 3784_904_X2 | | ANZ steerage Abt XI | |

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 35 | 3784_904_X3 | | ANZ steerage Dept. XII | |
| 36 | 3784_904_X4 | | ANZ steerage Abt XIII | |
| 37 | 3784_904_X5 | | ANZ Hangar Dept. IV / V, H / B deck | |
| 39 | 3784_904_X7 | | ANZ main deck Division VI | |
| 40 | 3784_904_X8 | | ANZ main deck Abt VII | |
| 41 | 3784_905_X1 | SEKTOR_41-46 | ANZ main deck Abt VIII | |
| 42 | 3784_905_X2 | | ANZ main deck Abt IX | |
| 43 | 3784_905_X3 | | ANZ main deck Abt X | |
| 44 | 3784_905_X4 | | ANZ main deck Abt XI | |
| 45 | 3784_905_X5 | | ANZ main deck Dept. XII | |
| 46 | 3784_905_X6 | | ANZ main deck Abt XIII | |
| 49 | 3784_906_X1 | SEKTOR_49-55 | ANZ B deck Abt VI | |
| 50 | 3784_906_X2 | | ANZ B deck Abt VII | |
| 51 | 3784_906_X3 | | ANZ B deck Abt VIII | |
| 52 | 3784_906_X4 | | ANZ B deck Abt IX | |
| 53 | 3784_906_X5 | | ANZ B deck Abt X (rear) | |
| 55 | 3784_906_X7 | | ANZ B deck Dept. XII | |
| 57 | 3784_907_X1 | SEKTOR_57-64 | ANZ C deck Abt VI | |
| 58 | 3784_907_X2 | | ANZ C Deck Department IX | |
| 59 | 3784_907_X3 | | ANZ C-deck Abt X | |
| 62 | 3784_907_X6 | | ANZ D-Deck Department IX | |
| 63 | 3784_907_X7 | | ANZ D-Deck Abt X | |
| 64 | 3784_907_X8 | | ANZ mast module back | |
| 65 | 3784_908_X1 | SEKTOR_65-67 | ANZ mast module front | |
| 66 | 3784_908_X2 | | outside deck | |
| 67 | 3784_908_X3 | | shore | |

Table 4: sectors (number, tag number, address)

### 4.2 Number of tags per sector (historically)

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 1 | 3785_900_X1 | SEKTOR_01-08 | ANZ congestion Abt IV | |
| 2 | 3785_900_X2 | | ANZ congestion Division V | |
| 3 | 3785_900_X3 | | ANZ congestion Division VI | |
| 4 | 3785_900_X4 | | ANZ congestion Abt VII | |
| 5 | 3785_900_X5 | | ANZ congestion Abt VIII | |
| 6 | 3785_900_X6 | | ANZ congestion Abt IX | |
| 7 | 3785_900_X7 | | ANZ congestion Abt X | |
| 8th | 3785_900_X8 | | ANZ congestion Abt XI | |
| 9 | 3785_901_X1 | SEKTOR_09-16 | ANZ congestion Dept. XII | |
| 10 | 3785_901_X2 | | ANZ congestion Abt XIII | |
| 11 | 3785_901_X3 | | ANZ platform deck Dept. I | |
| 12 | 3785_901_X4 | | ANZ platform deck Dept. II | |
| 13 | 3785_901_X5 | | ANZ platform deck Dept. III | |
| 14 | 3785_901_X6 | | ANZ platform deck Abt IV | |
| 15 | 3785_901_X7 | | ANZ platform deck Division V | |
| 16 | 3785_901_X8 | | ANZ platform deck Division VI | |
| 17 | 3785_902_X1 | SEKTOR_17-23 | ANZ platform deck Abt VII | |
| 18 | 3785_902_X2 | | ANZ platform deck Abt VIII | |
| 19 | 3785_902_X3 | | ANZ platform deck Abt IX | |
| 20 | 3785_902_X4 | | ANZ platform deck Abt X | |
| 21 | 3785_902_X5 | | ANZ platform deck Abt XI | |
| 22 | 3785_902_X6 | | ANZ platform deck Dept. XII | |
| 23 | 3785_902_X7 | | ANZ platform deck Abt XIII | |
| 25 | 3785_903_X1 | SEKTOR_25-32 | ANZ steerage Dept. II | |
| 26 | 3785_903_X2 | | ANZ steerage Dept. III | |
| 27 | 3785_903_X3 | | ANZ steerage Abt IV | |
| 28 | 3785_903_X4 | | ANZ steerage Division V | |
| 29 | 3785_903_X5 | | ANZ steerage Division VI | |
| 30 | 3785_903_X6 | | ANZ steerage Abt VII | |
| 31 | 3785_903_X7 | | ANZ steerage Abt VIII | |
| 32 | 3785_903_X8 | | ANZ steerage Abt IX | |
| 33 | 3785_904_X1 | SEKTOR_33-40 | ANZ steerage Abt X | |
| 34 | 3785_904_X2 | | ANZ steerage Abt XI | |
| 35 | 3785_904_X3 | | ANZ steerage Dept. XII | |
| 36 | 3785_904_X4 | | ANZ steerage Abt XIII | |

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 37 | 3785_904_X5 | | ANZ Hangar Dept. IV / V, H / B deck | |
| 39 | 3785_904_X7 | | ANZ main deck Division VI | |
| 40 | 3785_904_X8 | | ANZ main deck Abt VII | |
| 41 | 3785_905_X1 | SEKTOR_41-46 | ANZ main deck Abt VIII | |
| 42 | 3785_905_X2 | | ANZ main deck Abt IX | |
| 43 | 3785_905_X3 | | ANZ main deck Abt X | |
| 44 | 3785_905_X4 | | ANZ main deck Abt XI | |
| 45 | 3785_905_X5 | | ANZ main deck Dept. XII | |
| 46 | 3785_905_X6 | | ANZ main deck Abt XIII | |
| 49 | 3785_906_X1 | SEKTOR_49-55 | ANZ B deck Abt VI | |
| 50 | 3785_906_X2 | | ANZ B deck Abt VII | |
| 51 | 3785_906_X3 | | ANZ B deck Abt VIII | |
| 52 | 3785_906_X4 | | ANZ B deck Abt IX | |
| 53 | 3785_906_X5 | | ANZ B deck Abt X (rear) | |
| 55 | 3785_906_X7 | | ANZ B deck Dept. XII | |
| 57 | 3785_907_X1 | SEKTOR_57-64 | ANZ C deck Abt VI | |
| 58 | 3785_907_X2 | | ANZ C Deck Department IX | |
| 59 | 3785_907_X3 | | ANZ C-deck Abt X | |
| 62 | 3785_907_X6 | | ANZ D-Deck Department IX | |
| 63 | 3785_907_X7 | | ANZ D-Deck Abt X | |
| 64 | 3785_907_X8 | | ANZ mast module back | |
| 65 | 3785_908_X1 | SEKTOR_65-67 | ANZ mast module front | |
| 66 | 3785_908_X2 | | outside deck | |
| 67 | 3785_908_X3 | | shore | |

Table 5: Sectors (number, tag numbers, addresses) - historical data

### 4.3 sector active

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 1 | 3784_910 | SEKTOR_01-08 | ANZ congestion Abt IV | |
| 2 | 3784_911 | | ANZ congestion Division V | |
| 3 | 3784_912 | | ANZ congestion Division VI | |
| 4 | 3784_913 | | ANZ congestion Abt VII | |
| 5 | 3784_914 | | ANZ congestion Abt VIII | |
| 6 | 3784_915 | | ANZ congestion Abt IX | |
| 7 | 3784_916 | | ANZ congestion Abt X | |
| 8th | 3784_917 | | ANZ congestion Abt XI | |
| 9 | 3784_918 | SEKTOR_09-16 | ANZ congestion Dept. XII | |
| 10 | 3784_919 | | ANZ congestion Abt XIII | |
| 11 | 3784_920 | | ANZ platform deck Dept. I | |
| 12 | 3784_921 | | ANZ platform deck Dept. II | |
| 13 | 3784_922 | | ANZ platform deck Dept. III | |
| 14 | 3784_923 | | ANZ platform deck Abt IV | |
| 15 | 3784_924 | | ANZ platform deck Division V | |
| 16 | 3784_925 | | ANZ platform deck Division VI | |
| 17 | 3784_926 | SEKTOR_17-23 | ANZ platform deck Abt VII | |
| 18 | 3784_927 | | ANZ platform deck Abt VIII | |
| 19 | 3784_928 | | ANZ platform deck Abt IX | |
| 20 | 3784_929 | | ANZ platform deck Abt X | |
| 21 | 3784_930 | | ANZ platform deck Abt XI | |
| 22 | 3784_931 | | ANZ platform deck Dept. XII | |
| 23 | 3784_932 | | ANZ platform deck Abt XIII | |
| 25 | 3784_934 | SEKTOR_25-32 | ANZ steerage Dept. II | |
| 26 | 3784_935 | | ANZ steerage Dept. III | |
| 27 | 3784_936 | | ANZ steerage Abt IV | |
| 28 | 3784_937 | | ANZ steerage Division V | |
| 29 | 3784_938 | | ANZ steerage Division VI | |
| 30 | 3784_939 | | ANZ steerage Abt VII | |
| 31 | 3784_940 | | ANZ steerage Abt VIII | |
| 32 | 3784_941 | | ANZ steerage Abt IX | |
| 33 | 3784_942 | SEKTOR_33-40 | ANZ steerage Abt X | |
| 34 | 3784_943 | | ANZ steerage Abt XI | |
| 35 | 3784_944 | | ANZ steerage Dept. XII | |
| 36 | 3784_945 | | ANZ steerage Abt XIII | |

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 37 | 3784_946 | | ANZ Hangar Dept. IV / V, H / B deck | |
| 39 | 3784_948 | | ANZ main deck Division VI | |
| 40 | 3784_949 | | ANZ main deck Abt VII | |
| 41 | 3784_950 | SEKTOR_41-46 | ANZ main deck Abt VIII | |
| 42 | 3784_951 | | ANZ main deck Abt IX | |
| 43 | 3784_952 | | ANZ main deck Abt X | |
| 44 | 3784_953 | | ANZ main deck Abt XI | |
| 45 | 3784_954 | | ANZ main deck Dept. XII | |
| 46 | 3784_955 | | ANZ main deck Abt XIII | |
| 49 | 3784_958 | SEKTOR_49-55 | ANZ B deck Abt VI | |
| 50 | 3784_959 | | ANZ B deck Abt VII | |
| 51 | 3784_960 | | ANZ B deck Abt VIII | |
| 52 | 3784_961 | | ANZ B deck Abt IX | |
| 53 | 3784_962 | | ANZ B deck Abt X (rear) | |
| 55 | 3784_964 | | ANZ B deck Dept. XII | |
| 57 | 3784_966 | SEKTOR_57-64 | ANZ C deck Abt VI | |
| 58 | 3784_967 | | ANZ C Deck Department IX | |
| 59 | 3784_968 | | ANZ C-deck Abt X | |
| 62 | 3784_971 | | ANZ D-Deck Department IX | |
| 63 | 3784_972 | | ANZ D-Deck Abt X | |
| 64 | 3784_973 | | ANZ mast module back | |
| 65 | 3784_974 | SEKTOR_65 | ANZ mast module front | |

Table 6: active sectors

### 4.4 sector active (historical)

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 1 | 3785_910 | SEKTOR_01-08 | ANZ congestion Abt IV | |
| 2 | 3785_911 | | ANZ congestion Division V | |
| 3 | 3785_912 | | ANZ congestion Division VI | |
| 4 | 3785_913 | | ANZ congestion Abt VII | |
| 5 | 3785_914 | | ANZ congestion Abt VIII | |
| 6 | 3785_915 | | ANZ congestion Abt IX | |
| 7 | 3785_916 | | ANZ congestion Abt X | |
| 8th | 3785_917 | | ANZ congestion Abt XI | |
| 9 | 3785_918 | SEKTOR_09-16 | ANZ congestion Dept. XII | |
| 10 | 3785_919 | | ANZ congestion Abt XIII | |
| 11 | 3785_920 | | ANZ platform deck Dept. I | |
| 12 | 3785_921 | | ANZ platform deck Dept. II | |
| 13 | 3785_922 | | ANZ platform deck Dept. III | |
| 14 | 3785_923 | | ANZ platform deck Abt IV | |
| 15 | 3785_924 | | ANZ platform deck Division V | |
| 16 | 3785_925 | | ANZ platform deck Division VI | |
| 17 | 3785_926 | SEKTOR_17-23 | ANZ platform deck Abt VII | |
| 18 | 3785_927 | | ANZ platform deck Abt VIII | |
| 19 | 3785_928 | | ANZ platform deck Abt IX | |
| 20 | 3785_929 | | ANZ platform deck Abt X | |
| 21 | 3785_930 | | ANZ platform deck Abt XI | |
| 22 | 3785_931 | | ANZ platform deck Dept. XII | |
| 23 | 3785_932 | | ANZ platform deck Abt XIII | |
| 25 | 3785_934 | SEKTOR_25-32 | ANZ steerage Dept. II | |
| 26 | 3785_935 | | ANZ steerage Dept. III | |
| 27 | 3785_936 | | ANZ steerage Abt IV | |
| 28 | 3785_937 | | ANZ steerage Division V | |
| 29 | 3785_938 | | ANZ steerage Division VI | |
| 30 | 3785_939 | | ANZ steerage Abt VII | |
| 31 | 3785_940 | | ANZ steerage Abt VIII | |
| 32 | 3785_941 | | ANZ steerage Abt IX | |
| 33 | 3785_942 | SEKTOR_33-40 | ANZ steerage Abt X | |
| 34 | 3785_943 | | ANZ steerage Abt XI | |
| 35 | 3785_944 | | ANZ steerage Dept. XII | |
| 36 | 3785_945 | | ANZ steerage Abt XIII | |

| ANS day | Siemens days | sector | text | address |
|---|---|---|---|---|
| 37 | 3785_946 | | ANZ Hangar Dept. IV / V, H / B deck | |
| 39 | 3785_948 | | ANZ main deck Division VI | |
| 40 | 3785_949 | | ANZ main deck Abt VII | |
| 41 | 3785_950 | SEKTOR_41-46 | ANZ main deck Abt VIII | |
| 42 | 3785_951 | | ANZ main deck Abt IX | |
| 43 | 3785_952 | | ANZ main deck Abt X | |
| 44 | 3785_953 | | ANZ main deck Abt XI | |
| 45 | 3785_954 | | ANZ main deck Dept. XII | |
| 46 | 3785_955 | | ANZ main deck Abt XIII | |
| 49 | 3785_958 | SEKTOR_49-55 | ANZ B deck Abt VI | |
| 50 | 3785_959 | | ANZ B deck Abt VII | |
| 51 | 3785_960 | | ANZ B deck Abt VIII | |
| 52 | 3785_961 | | ANZ B deck Abt IX | |
| 53 | 3785_962 | | ANZ B deck Abt X (rear) | |
| 55 | 3785_964 | | ANZ B deck Dept. XII | |
| 57 | 3785_966 | SEKTOR_57-64 | ANZ C deck Abt VI | |
| 58 | 3785_967 | | ANZ C Deck Department IX | |
| 59 | 3785_968 | | ANZ C-deck Abt X | |
| 62 | 3785_971 | | ANZ D-Deck Department IX | |
| 63 | 3785_972 | | ANZ D-Deck Abt X | |
| 64 | 3785_973 | | ANZ mast module back | |
| 65 | 3785_974 | SEKTOR_65 | ANZ mast module front | |

Table 7: Sectors active - historically

### 4.5 limits status

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 10 | 3784_739 | Border platform deck Abt I to II | PCU4 | |
| 23 | 3784_752 | Steerage limit Abt I (FD) to II | PCU4 | |
| 24 | 3784_753 | Steerage limit Abt II by III | PCU4 | |
| 25 | 3784_754 | Steerage limit Abt III to IV | PCU4 | |
| 26 | 3784_755 | Steerage limit Abt IV to V | PCU4 | |
| 27 | 3784_756 | Steerage limit Abt V to VI | PCU4 | |
| 28 | 3784_757 | Steerage limit Abt VI to VII | PCU4 | |
| 29 | 3784_758 | Steerage limit Abt VII to VIII | PCU4 | |
| 30 | 3784_759 | Limit steerage Abt VIII to IX | PCU4 | |
| 31 | 3784_760 | Limit steerage Abt IX to X | PCU4 | |
| 32 | 3784_761 | Limit steerage Abt X to XI | PCU4 | |
| 33 | 3784_762 | Limit steerage Abt XI to XII | PCU4 | |
| 34 | 3784_763 | Limit steerage Dept. XII to XIII | PCU4 | |
| 36 | 3784_765 | Border main deck Abt III (FD) after IV | PCU4 | |
| 38 | 3784_767 | Border main deck Abt V to VI | PCU4 | |
| 39 | 3784_768 | Border main deck Abt VI to VII | PCU4 | |
| 40 | 3784_769 | Border main deck Abt VII to VIII | PCU4 | |
| 41 | 3784_770 | Border main deck Abt VIII to IX | PCU4 | |
| 42 | 3784_771 | Border main deck Abt IX to X | PCU4 | |
| 43 | 3784_772 | Border main deck Abt X to XI | PCU4 | |
| 44 | 3784_773 | Border main deck Abt XI to XII | PCU4 | |
| 45 | 3784_774 | Border main deck Dept. XII to XIII | PCU4 | |
| 47 | 3784_776 | H-limit cover Abt XIII to XIII (FD) | PCU4 | |
| 48 | 3784_777 | Limit B deck Abt V to VI | PCU4 | |
| 49 | 3784_778 | Limit B deck Abt VI to VII | PCU4 | |
| 50 | 3784_779 | Limit B deck Abt VII to VIII | PCU4 | |
| 52 | 3784_781 | Limit B deck Abt X to OPZ (FD) | PCU4 | |
| 57 | 3784_785 | Limit C deck Abt IX to X | PCU4 | |
| 59 | 3784_787 | D limit deck Abt IX to X | PCU4 | |
| 65 | 3784_793 | Limit stowage by P-deck Abt IV | PCU4 | |
| 66 | 3784_794 | Limit stowage by P-deck Abt V | PCU4 | |
| 67 | 3784_795 | Limit stowage by P-deck Abt VI | PCU4 | |
| 68 | 3784_796 | Limit stowage by P-deck Abt VII | PCU4 | |
| 69 | 3784_797 | Limit stowage by P-deck Abt VIII | PCU4 | |
| 70 | 3784_798 | Border congestion for P-deck Abt IX | PCU4 | |
| 71 | 3784_799 | Limit stowage by P-deck Abt X | PCU4 | |
| 72 | 3784_800 | Border congestion for P-deck Abt XI | PCU4 | |

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 73 | 3784_801 | Border congestion for P-deck Dept. XII | PCU4 | |
| 74 | 3784_802 | Border congestion for P-deck Abt XIII | PCU4 | |
| 75 | 3784_803 | Limit P-Z Deck according to deck I Abt (FD) | PCU4 | |
| 76 | 3784_804 | Limit P deck by deck Z-II Abt | PCU4 | |
| 77 | 3784_805 | Limit P-Z Deck according deck III Abt | PCU4 | |
| 78 | 3784_806 | Limit P-Z Deck according deck Abt IV | PCU4 | |
| 79 | 3784_807 | Limit P-Z Deck according deck Abt V | PCU4 | |
| 80 | 3784_808 | Limit P-Z Deck according deck Abt VI | PCU4 | |
| 81 | 3784_809 | Limit P-Z Deck according deck Abt VII | PCU4 | |
| 82 | 3784_810 | Limit P-Z Deck according deck Abt VIII | PCU4 | |
| 83 | 3784_811 | Limit P-Z Deck according deck Abt IX | PCU4 | |
| 84 | 3784_812 | Limit P-Z Deck according deck Abt X | PCU4 | |
| 85 | 3784_813 | Limit P-Z Deck according deck Abt XI | PCU4 | |
| 86 | 3784_814 | Limit P-Z Deck according deck Abt XII | PCU4 | |
| 87 | 3784_815 | Limit P-Z Deck according deck Abt XIII | PCU4 | |
| 91 | 3784_819 | Z limit deck to deck Abt H IV | PCU4 | |
| 92 | 3784_820 | Z limit deck to deck Abt H V | PCU4 | |
| 93 | 3784_821 | Z limit deck to deck Abt H VI | PCU4 | |
| 94 | 3784_822 | Z limit deck to deck Abt H VII | PCU4 | |
| 95 | 3784_823 | Z limit deck to deck H Abt VIII | PCU4 | |
| 96 | 3784_824 | Z limit deck to deck Abt H IX | PCU4 | |
| 97 | 3784_825 | Z limit deck to deck Abt H X | PCU4 | |
| 98 | 3784_826 | Z limit deck to deck Abt H XI | PCU4 | |
| 99 | 3784_827 | Z limit deck to deck H Abt XII | PCU4 | |
| 100 | 3784_828 | Z limit deck to deck H Abt XIII | PCU4 | |
| 103 | 3784_829 | H-limit cover to B deck Abt VI | PCU4 | |
| 104 | 3784_830 | H-limit cover to B deck Abt VII | PCU4 | |
| 105 | 3784_831 | H-limit cover to B deck Abt VIII | PCU4 | |
| 106 | 3784_832 | H-limit cover to B deck Abt IX | PCU4 | |
| 107 | 3784_833 | H-limit cover to B deck Abt X | PCU4 | |
| 108 | 3784_834 | H-limit cover to B deck Abt XI | PCU4 | |
| 109 | 3784_835 | H-limit cover to B deck Abt XII | PCU4 | |
| 114 | 3784_839 | Limit B deck to C deck Abt VI | PCU4 | |
| 116 | 3784_841 | Limit B deck Abt VIII FD | PCU4 | |
| 117 | 3784_842 | Limit B deck IX FD | PCU4 | |
| 118 | 3784_843 | Limit B deck by deck Abt C X | PCU4 | |
| 119 | 3784_844 | Limit B deck to C deck Abt XI (FD) | PCU4 | |
| 122 | 3784_846 | Limit C deck Abt VI Bb FD | PCU4 | |
| 124 | 3784_847 | Limit C deck to deck D-Abt X | PCU4 | |

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 126 | 3784_848 | Boundary D-deck for the front mast module | PCU4 | |
| 135 | 3784_850 | Limit mast module back to FD | PCU4 | |
| 136 | 3784_851 | Limit C deck Abt IX FD | PCU4 | |
| 141 | 3784_853 | D limit deck Abt X (Bridge) FD | PCU4 | |
| 143 | 3784_854 | Limit mast module front to FD | PCU4 | |
| 154 | 3784_859 | Z limit deck III Abt CTG Fü R | PCU4 | |
| 101 | 3784_860 | Z limit deck to deck Verholdeck H | PCU4 | |
| 121 | 3784_861 | Limit C deck by mast module behind | PCU4 | |
| 150 | 3784_862 | FD limit H deck Abt VIII Stb | PCU4 | |
| 151 | 3784_863 | H-limit cover Abt VIII Bb FD | PCU4 | |
| 152 | 3784_864 | H-limit cover Abt IX Stb FD | PCU4 | |
| 140 | 3784_865 | D limit deck Abt IX FD | PCU4 | |
| | | | | |

Table 8: Status of sector boundaries

### 4.6 limits status (historical)

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 10 | 3785_739 | Border platform deck Abt I to II | PCU4 | |
| 23 | 3785_752 | Steerage limit Abt I (FD) to II | PCU4 | |
| 24 | 3785_753 | Steerage limit Abt II by III | PCU4 | |
| 25 | 3785_754 | Steerage limit Abt III to IV | PCU4 | |
| 26 | 3785_755 | Steerage limit Abt IV to V | PCU4 | |
| 27 | 3785_756 | Steerage limit Abt V to VI | PCU4 | |
| 28 | 3785_757 | Steerage limit Abt VI to VII | PCU4 | |
| 29 | 3785_758 | Steerage limit Abt VII to VIII | PCU4 | |
| 30 | 3785_759 | Limit steerage Abt VIII to IX | PCU4 | |
| 31 | 3785_760 | Limit steerage Abt IX to X | PCU4 | |
| 32 | 3785_761 | Limit steerage Abt X to XI | PCU4 | |
| 33 | 3785_762 | Limit steerage Abt XI to XII | PCU4 | |
| 34 | 3785_763 | Limit steerage Dept. XII to XIII | PCU4 | |
| 36 | 3785_765 | Border main deck Abt III (FD) after IV | PCU4 | |
| 38 | 3785_767 | Border main deck Abt V to VI | PCU4 | |
| 39 | 3785_768 | Border main deck Abt VI to VII | PCU4 | |
| 40 | 3785_769 | Border main deck Abt VII to VIII | PCU4 | |
| 41 | 3785_770 | Border main deck Abt VIII to IX | PCU4 | |
| 42 | 3785_771 | Border main deck Abt IX to X | PCU4 | |
| 43 | 3785_772 | Border main deck Abt X to XI | PCU4 | |
| 44 | 3785_773 | Border main deck Abt XI to XII | PCU4 | |
| 45 | 3785_774 | Border main deck Dept. XII to XIII | PCU4 | |
| 47 | 3785_776 | H-limit cover Abt XIII to XIII (FD) | PCU4 | |
| 48 | 3785_777 | Limit B deck Abt V to VI | PCU4 | |
| 49 | 3785_778 | Limit B deck Abt VI to VII | PCU4 | |
| 50 | 3785_779 | Limit B deck Abt VII to VIII | PCU4 | |
| 52 | 3785_781 | Limit B deck Abt X to OPZ (FD) | PCU4 | |
| 57 | 3785_785 | Limit C deck Abt IX to X | PCU4 | |
| 59 | 3785_787 | D limit deck Abt IX to X | PCU4 | |
| 65 | 3785_793 | Limit stowage by P-deck Abt IV | PCU4 | |
| 66 | 3785_794 | Limit stowage by P-deck Abt V | PCU4 | |
| 67 | 3785_795 | Limit stowage by P-deck Abt VI | PCU4 | |
| 68 | 3785_796 | Limit stowage by P-deck Abt VII | PCU4 | |
| 69 | 3785_797 | Limit stowage by P-deck Abt VIII | PCU4 | |
| 70 | 3785_798 | Border congestion for P-deck Abt IX | PCU4 | |
| 71 | 3785_799 | Limit stowage by P-deck Abt X | PCU4 | |
| 72 | 3785_800 | Border congestion for P-deck Abt XI | PCU4 | |

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 73 | 3785_801 | Border congestion for P-deck Dept. XII | PCU4 | |
| 74 | 3785_802 | Border congestion for P-deck Abt XIII | PCU4 | |
| 75 | 3785_803 | Limit P-Z Deck according to deck I Abt (FD) | PCU4 | |
| 76 | 3785_804 | Limit P deck by deck Z-II Abt | PCU4 | |
| 77 | 3785_805 | Limit P-Z Deck according deck III Abt | PCU4 | |
| 78 | 3785_806 | Limit P-Z Deck according deck Abt IV | PCU4 | |
| 79 | 3785_807 | Limit P-Z Deck according deck Abt V | PCU4 | |
| 80 | 3785_808 | Limit P-Z Deck according deck Abt VI | PCU4 | |
| 81 | 3785_809 | Limit P-Z Deck according deck Abt VII | PCU4 | |
| 82 | 3785_810 | Limit P-Z Deck according deck Abt VIII | PCU4 | |
| 83 | 3785_811 | Limit P-Z Deck according deck Abt IX | PCU4 | |
| 84 | 3785_812 | Limit P-Z Deck according deck Abt X | PCU4 | |
| 85 | 3785_813 | Limit P-Z Deck according deck Abt XI | PCU4 | |
| 86 | 3785_814 | Limit P-Z Deck according deck Abt XII | PCU4 | |
| 87 | 3785_815 | Limit P-Z Deck according deck Abt XIII | PCU4 | |
| 91 | 3785_819 | Z limit deck to deck Abt H IV | PCU4 | |
| 92 | 3785_820 | Z limit deck to deck Abt H V | PCU4 | |
| 93 | 3785_821 | Z limit deck to deck Abt H VI | PCU4 | |
| 94 | 3785_822 | Z limit deck to deck Abt H VII | PCU4 | |
| 95 | 3785_823 | Z limit deck to deck H Abt VIII | PCU4 | |
| 96 | 3785_824 | Z limit deck to deck Abt H IX | PCU4 | |
| 97 | 3785_825 | Z limit deck to deck Abt H X | PCU4 | |
| 98 | 3785_826 | Z limit deck to deck Abt H XI | PCU4 | |
| 99 | 3785_827 | Z limit deck to deck H Abt XII | PCU4 | |
| 100 | 3785_828 | Z limit deck to deck H Abt XIII | PCU4 | |
| 103 | 3785_829 | H-limit cover to B deck Abt VI | PCU4 | |
| 104 | 3785_830 | H-limit cover to B deck Abt VII | PCU4 | |
| 105 | 3785_831 | H-limit cover to B deck Abt VIII | PCU4 | |
| 106 | 3785_832 | H-limit cover to B deck Abt IX | PCU4 | |
| 107 | 3785_833 | H-limit cover to B deck Abt X | PCU4 | |
| 108 | 3785_834 | H-limit cover to B deck Abt XI | PCU4 | |
| 109 | 3785_835 | H-limit cover to B deck Abt XII | PCU4 | |
| 114 | 3785_839 | Limit B deck to C deck Abt VI | PCU4 | |
| 116 | 3785_841 | Limit B deck Abt VIII FD | PCU4 | |
| 117 | 3785_842 | Limit B deck IX FD | PCU4 | |
| 118 | 3785_843 | Limit B deck by deck Abt C X | PCU4 | |
| 119 | 3785_844 | Limit B deck to C deck Abt XI (FD) | PCU4 | |
| 122 | 3785_846 | Limit C deck Abt VI Bb FD | PCU4 | |
| 124 | 3785_847 | Limit C deck to deck D-Abt X | PCU4 | |

| ANS day | Siemens days | text | PCU | address |
|---|---|---|---|---|
| 126 | 3785_848 | Boundary D-deck for the front mast module | PCU4 | |
| 135 | 3785_850 | Limit mast module back to FD | PCU4 | |
| 136 | 3785_851 | Limit C deck Abt IX FD | PCU4 | |
| 141 | 3785_853 | D limit deck Abt X (Bridge) FD | PCU4 | |
| 143 | 3785_854 | Limit mast module front to FD | PCU4 | |
| 154 | 3785_859 | Z limit deck III Abt CTG Fü R | PCU4 | |
| 101 | 3785_860 | Z limit deck according H deck (Verholdeck) | PCU4 | |
| 121 | 3785_861 | Limit C deck by mast module behind | PCU4 | |
| 150 | 3785_862 | FD limit H deck Abt VIII Stb | PCU4 | |
| 151 | 3785_863 | H-limit cover Abt VIII Bb FD | PCU4 | |
| 152 | 3785_864 | H-limit cover Abt IX Stb FD | PCU4 | |
| 140 | 3785_865 | D limit deck Abt IX FD | PCU4 | |

Table 9: Status of sector boundaries - historically

## 4.7 Space brands

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 030 | 3784_460 Taulast_Velocimeterlast_RM1 | DX2000.0 | 3784003A030 |
| 031 | 3784_461 Taulast_Velocimeterlast_RM2 | DX2000.1 | 3784003A031 |
| 034 | 3784_462 Sonnensegellast_RM1 | DX2000.2 | 3784003A034 |
| 035 | 3784_463 Gang_02P00_RM1 | DX2000.3 | 3784003A035 |
| 036 | 3784_464 Gang_02P00_RM2 | DX2000.4 | 3784003A036 |
| 078 | 3784_465 Zitadellenschleuse_02Z00_RM | DX2000.5 | 3784003A078 |
| 033 | 3784_466 Gang_02Z10_RM1 | DX2000.6 | 3784003A033 |
| 079 | 3784_467 Gang_02Z10_RM2 | DX2000.7 | 3784003A079 |
| 080 | 3784_468 Gang_02Z10_RM3 | DX2001.0 | 3784003A080 |
| 037 | 3784_469 Gang_03P00_RM | DX2001.1 | 3784003A037 |
| 032 | 3784_470 Waschraum_03P03 | DX2001.2 | 3784003A032 |
| 038 | 3784_471 Treppenhaus_03P05_RM1 | DX2001.3 | 3784003A038 |
| 084 | 3784_472 Treppenhaus_03P05_RM2 | DX2001.4 | 3784003A084 |
| 081 | 3784_473 Gang_03Z00_RM1 | DX2001.5 | 3784003A081 |
| 082 | 3784_474 Gang_03Z00_RM2 | DX2001.6 | 3784003A082 |
| 083 | 3784_475 Gang_03Z00_RM3 | DX2001.7 | 3784003A083 |
| 145 | 3784_476 Gang_03Z00_RM4 | DX2002.0 | 3784003A145 |
| 085 | 3784_477 PUO_Kammer_03Z03 | DX2002.1 | 3784003A085 |
| 129 | 3784_478 ABC_Schleuse_Wachstand_RM1 | DX2002.2 | 3784003A129 |
| 130 | 3784_479 ABC_Schleuse_Wachstand_RM2 | DX2002.3 | 3784003A130 |
| 257 | 3784_480 ABC_Schleuse_Wachstand_RM3 | DX2002.4 | 3784003A257 |
| 064 | 3784_481 BHS_Hangar_Bb_RM1 | DX2002.5 | 3784003A064 |
| 135 | 3784_482 BHS_Hangar_Bb_RM2 | DX2002.6 | 3784003A135 |
| 136 | 3784_483 BHS_Hangar_Bb_RM3 | DX2002.7 | 3784003A136 |
| 137 | 3784_484 BHS_Hangar_Bb_RM4 | DX2003.0 | 3784003A137 |
| 138 | 3784_485 BHS_Hangar_Bb_RM5 | DX2003.1 | 3784003A138 |
| 191 | 3784_486 BHS_Hangar_Bb_RM6 | DX2003.2 | 3784003A191 |
| 021 | 3784_487 BHS_Hangar_Stb_RM1 | DX2003.3 | 3784003A021 |
| 023 | 3784_488 BHS_Hangar_Stb_RM2 | DX2003.4 | 3784003A023 |
| 044 | 3784_489 BHS_Hangar_Stb_RM3 | DX2003.5 | 3784003A044 |
| 131 | 3784_490 BHS_Hangar_Stb_RM4 | DX2003.6 | 3784003A131 |
| 132 | 3784_491 BHS_Hangar_Stb_RM5 | DX2003.7 | 3784003A132 |
| 133 | 3784_492 BHS_Hangar_Stb_RM6 | DX2004.0 | 3784003A133 |
| 134 | 3784_493 BHS_Hangar_Stb_RM7 | DX2004.1 | 3784003A134 |
| 141 | 3784_494 BHS_Hangar_Stb_RM8 | DX2004.2 | 3784003A141 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 142 | 3784_495 BHS_Hangar_Stb_RM9 | DX2004.3 | 3784003A142 |
| 189 | 3784_496 BHS_Hangar_Stb_RM10 | DX2004.4 | 3784003A189 |
| 190 | 3784_497 BHS_Hangar_Stb_RM11 | DX2004.5 | 3784003A190 |
| 259 | 3784_498 BHS_Hangar_Stb_RM12 | DX2004.6 | 3784003A259 |
| 012 | 3784_499 Schalttafelraum_hinten_RM1 | DX2004.7 | 3784003A012 |
| 039 | 3784_500 Schalttafelraum_hinten_RM2 | DX2005.0 | 3784003A039 |
| 001 | 3784_501 Hilfsmaschinenraum_IV_RM1 | DX2005.1 | 3784003A001 |
| 255 | 3784_502 Hilfsmaschinenraum_IV_RM2 | DX2005.2 | 3784003A255 |
| 002 | 3784_503 Treppenhaus_04S05_RM1 | DX2005.3 | 3784003A002 |
| 040 | 3784_504 Treppenhaus_04S05_RM2 | DX2005.4 | 3784003A040 |
| 088 | 3784_505 Treppenhaus_04S05_RM3 | DX2005.5 | 3784003A088 |
| 139 | 3784_506 Treppenhaus_04S05_RM4 | DX2005.6 | 3784003A139 |
| 086 | 3784_507 Gang_04Z00_RM1 | DX2005.7 | 3784003A086 |
| 087 | 3784_508 Gang_04Z00_RM2 | DX2006.0 | 3784003A087 |
| 089 | 3784_509 PUO_Kammer_04Z16_RM | DX2006.1 | 3784003A089 |
| 186 | 3784_510 BHS_Last_RM1 | DX2006.2 | 3784003A186 |
| 192 | 3784_512 Zitadellenschleuse_05B10_RM | DX2006.4 | 3784003A192 |
| 140 | 3784_513 Gang_05H00_RM1 | DX2006.5 | 3784003A140 |
| 222 | 3784_514 Gang_05H00_RM2 | DX2006.6 | 3784003A222 |
| 231 | 3784_515 Gang_05H00_RM3 | DX2006.7 | 3784003A231 |
| 052 | 3784_516 Kältemaschinenraum_hinten_RM | DX2007.0 | 3784003A052 |
| 048 | 3784_517 Treppenhaus_05P03_RM1 | DX2007.1 | 3784003A048 |
| 091 | 3784_518 Treppenhaus_05P03_RM2 | DX2007.2 | 3784003A091 |
| 003 | 3784_519 e-Werk_V_RM1 | DX2007.3 | 3784003A003 |
| 004 | 3784_520 e-Werk_V_RM2 | DX2007.4 | 3784003A004 |
| 065 | 3784_521 e-Werk_V_RM3 | DX2007.5 | 3784003A065 |
| 258 | 3784_522 e-Werk_V_RM4 | DX2007.6 | 3784003A258 |
| 046 | 3784_523 Notausstiegsschacht_05S02_RM1 | DX2007.7 | 3784003A046 |
| 256 | 3784_524 Notausstiegsschacht_05S02_RM2 | DX2008.0 | 3784003A256 |
| 090 | 3784_525 Schiffstechnischer_Leitstand_RM1 | DX2008.1 | 3784003A090 |
| 092 | 3784_526 PUO_Kammer_05Z02_RM | DX2008.2 | 3784003A092 |
| 093 | 3784_527 Gang_05Z03_RM1 | DX2008.3 | 3784003A093 |
| 094 | 3784_528 Gang_05Z03_RM2 | DX2008.4 | 3784003A094 |
| 221 | 3784_529 Gang_05Z03_RM3 | DX2008.5 | 3784003A221 |
| 193 | 3784_530 Gang_06B00_RM | DX2008.6 | 3784003A193 |
| 005 | 3784_531 BHS Einschiffungspaketlast_RM | DX2008.7 | 3784003A005 |
| 195 | 3784_532 Gang_06B10_RM | DX2009.0 | 3784003A195 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 215 | 3784_533 Seeversorgungslast_06C01_RM1 | DX2009.1 | 3784003A215 |
| 216 | 3784_534 Seeversorgungslast_06C01_RM2 | DX2009.2 | 3784003A216 |
| 217 | 3784_535 Zitadellenschleuse_06C07_RM1 | DX2009.3 | 3784003A217 |
| 218 | 3784_536 Zitadellenschleuse_06C07_RM2 | DX2009.4 | 3784003A218 |
| 232 | 3784_537 Filterlast_06C10 | DX2009.5 | 3784003A232 |
| 143 | 3784_538 Zitadellenschleuse_06H00_RM | DX2009.6 | 3784003A143 |
| 147 | 3784_539 Gang_06H04_RM | DX2009.7 | 3784003A147 |
| 148 | 3784_540 Gang_06H10_RM | DX2010.0 | 3784003A148 |
| 053 | 3784_541 Treppenhaus_06P07_RM1 | DX2010.1 | 3784003A053 |
| 095 | 3784_542 Treppenhaus_06P07_RM2 | DX2010.2 | 3784003A095 |
| 149 | 3784_543 Treppenhaus_06P07_RM3 | DX2010.3 | 3784003A149 |
| 194 | 3784_544 Treppenhaus_06P07_RM4 | DX2010.4 | 3784003A194 |
| 219 | 3784_545 Treppenhaus_06P07_RM5 | DX2010.5 | 3784003A219 |
| 220 | 3784_546 Treppenhaus_06P07_RM6 | DX2010.6 | 3784003A220 |
| 008 | 3784_547 Gasturbinenraum_RM1 | DX2010.7 | 3784003A008 |
| 009 | 3784_548 Gasturbinenraum_RM2 | DX2011.0 | 3784003A009 |
| 010 | 3784_549 Gasturbinenraum_RM3 | DX2011.1 | 3784003A010 |
| 050 | 3784_550 Gasturbinenraum_RM4 | DX2011.2 | 3784003A050 |
| 011 | 3784_551 Notausstiegsschacht_06S02_RM1 | DX2011.3 | 3784003A011 |
| 049 | 3784_552 Notausstiegsschacht_06S02_RM2 | DX2011.4 | 3784003A049 |
| 096 | 3784_553 Gang_06Z14_RM1 | DX2011.5 | 3784003A096 |
| 097 | 3784_554 Gang_06Z14_RM2 | DX2011.6 | 3784003A097 |
| 098 | 3784_555 Gang_06Z14_RM3 | DX2011.7 | 3784003A098 |
| 196 | 3784_556 Gang_07B00_RM1 | DX2012.0 | 3784003A196 |
| 197 | 3784_557 Gang_07B00_RM2 | DX2012.1 | 3784003A197 |
| 150 | 3784_558 Gang_07H00_RM1 | DX2012.2 | 3784003A150 |
| 151 | 3784_559 Gang_07H00_RM2 | DX2012.3 | 3784003A151 |
| 056 | 3784_560 Treppenhaus_07P03_RM1 | DX2012.4 | 3784003A056 |
| 102 | 3784_561 Treppenhaus_07P03_RM2 | DX2012.5 | 3784003A102 |
| 152 | 3784_562 Treppenhaus_07P03_RM3 | DX2012.6 | 3784003A152 |
| 153 | 3784_563 Treppenhaus_07P03_RM4 | DX2012.7 | 3784003A153 |
| 198 | 3784_564 Treppenhaus_07P03_RM5 | DX2013.0 | 3784003A198 |
| 013 | 3784_565 Getriebe_Fahrmotorenraum_RM1 | DX2013.1 | 3784003A013 |
| 051 | 3784_566 Getriebe_Fahrmotorenraum_RM2 | DX2013.2 | 3784003A051 |
| 054 | 3784_567 Getriebe_Fahrmotorenraum_RM3 | DX2013.3 | 3784003A054 |
| 069 | 3784_568 Getriebe_Fahrmotorenraum_RM4 | DX2013.4 | 3784003A069 |
| 014 | 3784_569 Notausstiegsschacht_07S01_RM1 | DX2013.5 | 3784003A014 |
| 055 | 3784_570 Notausstiegsschacht_07S01_RM2 | DX2013.6 | 3784003A055 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 099 | 3784_571 Gang_07Z00_RM1 | DX2013.7 | 3784003A099 |
| 100 | 3784_572 Gang_07Z00_RM2 | DX2014.0 | 3784003A100 |
| 101 | 3784_573 Gang_07Z00_RM3 | DX2014.1 | 3784003A101 |
| 024 | 3784_574 Gang_08B00_RM1 | DX2014.2 | 3784003A024 |
| 199 | 3784_575 Gang_08B00_RM2 | DX2014.3 | 3784003A199 |
| 041 | 3784_576 ABC_Schleuse_RM1 | DX2014.4 | 3784003A041 |
| 201 | 3784_577 ABC_Schleuse_RM2 | DX2014.5 | 3784003A201 |
| 202 | 3784_578 ABC_Schleuse_RM3 | DX2014.6 | 3784003A202 |
| 154 | 3784_579 Gang_08H00_RM1 | DX2014.7 | 3784003A154 |
| 155 | 3784_580 Gang_08H00_RM2 | DX2015.0 | 3784003A155 |
| 157 | 3784_581 Gang_08H00_RM3 | DX2015.1 | 3784003A157 |
| 158 | 3784_582 Gang_08H00_RM4 | DX2015.2 | 3784003A158 |
| 156 | 3784_583 Maschinenwerkstatt_06P05 | DX2015.3 | 3784003A156 |
| 160 | 3784_584 Gasturbinenraum_06S00 | DX2015.4 | 3784003A160 |
| 165 | 3784_585 Zitadellenschleuse_08H08_RM | DX2015.5 | 3784003A165 |
| 188 | 3784_586 Zitadellenschleuse_08H13_RM | DX2015.6 | 3784003A188 |
| 015 | 3784_587 Transformatorenraum_VIII_RM1 | DX2015.7 | 3784003A015 |
| 016 | 3784_588 Transformatorenraum_VIII_RM2 | DX2016.0 | 3784003A016 |
| 057 | 3784_589 Transformatorenraum_VIII_RM3 | DX2016.1 | 3784003A057 |
| 058 | 3784_590 Transformatorenraum_VIII_RM4 | DX2016.2 | 3784003A058 |
| 103 | 3784_591 Gang_08Z00_RM1 | DX2016.3 | 3784003A103 |
| 104 | 3784_592 Gang_08Z00_RM2 | DX2016.4 | 3784003A104 |
| 105 | 3784_593 Gang_08Z00_RM3 | DX2016.5 | 3784003A105 |
| 106 | 3784_594 Treppenhaus_08Z04_RM1 | DX2016.6 | 3784003A106 |
| 164 | 3784_595 Treppenhaus_08Z04_RM2 | DX2016.7 | 3784003A164 |
| 200 | 3784_596 Treppenhaus_08Z04_RM3 | DX2017.0 | 3784003A200 |
| 107 | 3784_597 Notausstiegsschacht_08Z16_RM | DX2017.1 | 3784003A107 |
| 203 | 3784_598 Last_f_Ersatz_u_Austauschteile_ET_AT_1_RM1 | DX2017.2 | 3784003A203 |
| 204 | 3784_599 Last_f_Ersatz_u_Austauschteile_ET_AT_1_RM2 | DX2017.3 | 3784003A204 |
| 067 | 3784_600 Last_f_Ersatz_u_Austauschteile_ET_AT_2 | DX2017.4 | 3784003A067 |
| 225 | 3784_601 Zitadellenschleuse_09C00_RM1 | DX2017.5 | 3784003A225 |
| 226 | 3784_602 Zitadellenschleuse_09C00_RM2 | DX2017.6 | 3784003A226 |
| 227 | 3784_603 Zitadellenschleuse_09C00_RM3 | DX2017.7 | 3784003A227 |
| 223 | 3784_604 Müllagerraum_09C04 | DX2018.0 | 3784003A223 |
| 166 | 3784_605 Gang_09H00_RM1 | DX2018.1 | 3784003A166 |
| 167 | 3784_606 Gang_09H00_RM2 | DX2018.2 | 3784003A167 |
| 234 | 3784_607 Gang_09H00_RM3 | DX2018.3 | 3784003A234 |
| 022 | 3784_608 Gang_09P10_RM1 | DX2018.4 | 3784003A022 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 060 | 3784_609 Gang_09P10_RM2 | DX2018.5 | 3784003A060 |
| 061 | 3784_610 Gang_09P10_RM3 | DX2018.6 | 3784003A061 |
| 144 | 3784_611 Gang_09P10_RM4 | DX2018.7 | 3784003A144 |
| 240 | 3784_612 Gang_09S00_RM | DX2019.0 | 3784003A240 |
| 018 | 3784_613 Treppenhaus_09S03_RM1 | DX2019.1 | 3784003A018 |
| 059 | 3784_614 Treppenhaus_09S03_RM2 | DX2019.2 | 3784003A059 |
| 111 | 3784_615 Treppenhaus_09S03_RM3 | DX2019.3 | 3784003A111 |
| 168 | 3784_616 Treppenhaus_09S03_RM4 | DX2019.4 | 3784003A168 |
| 205 | 3784_617 Treppenhaus_09S03_RM5 | DX2019.5 | 3784003A205 |
| 175 | 3784_618 Vorraum_Aufzug_09S09_RM1 | DX2019.6 | 3784003A175 |
| 260 | 3784_619 Vorraum_Aufzug_09S09_RM2 | DX2019.7 | 3784003A260 |
| 108 | 3784_620 Gang_09Z00_RM1 | DX2020.0 | 3784003A108 |
| 109 | 3784_621 Gang_09Z00_RM2 | DX2020.1 | 3784003A109 |
| 224 | 3784_622 Gang_09Z00_RM3 | DX2020.2 | 3784003A224 |
| 110 | 3784_623 UO_M_Messe_09Z02 | DX2020.3 | 3784003A110 |
| 043 | 3784_624 Gang_04Z00 | DX2020.4 | 3784003A043 |
| 233 | 3784_625 Küchenschleuse_09Z15 | DX2020.5 | 3784003A233 |
| 206 | 3784_626 Gang_10B10_RM1 | DX2020.6 | 3784003A206 |
| 208 | 3784_627 Gang_10B10_RM2 | DX2020.7 | 3784003A208 |
| 209 | 3784_628 Gang_10B10_RM3 | DX2021.0 | 3784003A209 |
| 228 | 3784_629 Gang_10C00_RM | DX2021.1 | 3784003A228 |
| 247 | 3784_630 Luftschleuse_RM1 | DX2021.2 | 3784003A247 |
| 250 | 3784_631 Luftschleuse_RM2 | DX2021.3 | 3784003A250 |
| 251 | 3784_632 Luftschleuse_RM3 | DX2021.4 | 3784003A251 |
| 252 | 3784_633 Luftschleuse_RM4 | DX2021.5 | 3784003A252 |
| 253 | 3784_634 Luftschleuse_RM5 | DX2021.6 | 3784003A253 |
| 254 | 3784_635 Luftschleuse_RM6 | DX2021.7 | 3784003A254 |
| 236 | 3784_636 Bruecke_RM1 | DX2022.0 | 3784003A236 |
| 237 | 3784_637 Bruecke_RM2 | DX2022.1 | 3784003A237 |
| 238 | 3784_638 Bruecke_RM3 | DX2022.2 | 3784003A238 |
| 239 | 3784_639 Bruecke_RM4 | DX2022.3 | 3784003A239 |
| 244 | 3784_640 Bruecke_RM5 | DX2022.4 | 3784003A244 |
| 245 | 3784_641 Bruecke_RM6 | DX2022.5 | 3784003A245 |
| 246 | 3784_642 Bruecke_RM7 | DX2022.6 | 3784003A246 |
| 070 | 3784_643 Gang_10H00_RM1 | DX2022.7 | 3784003A070 |
| 169 | 3784_644 Gang_10H00_RM2 | DX2023.0 | 3784003A169 |
| 170 | 3784_645 Gang_10H00_RM3 | DX2023.1 | 3784003A170 |
| 171 | 3784_646 Offz_Messe_Schiffslazarett_Verb_platz_RM1 | DX2023.2 | 3784003A171 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 017 | 3784_647 Kaeltemaschinenraum_vorne_RM1 | DX2023.3 | 3784003A017 |
| 146 | 3784_648 e-Werk_X_10S00 | DX2023.4 | 3784003A146 |
| 249 | 3784_649 Kaeltemaschinenraum_vorne_RM3 | DX2023.5 | 3784003A249 |
| 062 | 3784_650 Treppenhaus_10P03_RM1 | DX2023.6 | 3784003A062 |
| 115 | 3784_651 Treppenhaus_10P03_RM2 | DX2023.7 | 3784003A115 |
| 019 | 3784_652 e-Werk_X_RM1 | DX2024.0 | 3784003A019 |
| 068 | 3784_653 e-Werk_X_RM2 | DX2024.1 | 3784003A068 |
| 241 | 3784_654 e-Werk_X_RM3 | DX2024.2 | 3784003A241 |
| 020 | 3784_655 Notausstiegsschacht_10S02_RM1 | DX2024.3 | 3784003A020 |
| 063 | 3784_656 Notausstiegsschacht_10S02_RM2 | DX2024.4 | 3784003A063 |
| 112 | 3784_657 Gang_10Z00_RM1 | DX2024.5 | 3784003A112 |
| 113 | 3784_658 Gang_10Z00_RM2 | DX2024.6 | 3784003A113 |
| 114 | 3784_659 Gang_10Z00_RM3 | DX2024.7 | 3784003A114 |
| 172 | 3784_660 Schiffstechnischer_Leitstand_05Z01_RM2 | DX2025.0 | 3784003A172 |
| 116 | 3784_661 Treppenhaus_10Z04_RM1 | DX2025.1 | 3784003A116 |
| 173 | 3784_662 Treppenhaus_10Z04_RM2 | DX2025.2 | 3784003A173 |
| 207 | 3784_663 Treppenhaus_10Z04_RM3 | DX2025.3 | 3784003A207 |
| 229 | 3784_664 Treppenhaus_10Z04_RM4 | DX2025.4 | 3784003A229 |
| 235 | 3784_665 Treppenhaus_10Z04_RM5 | DX2025.5 | 3784003A235 |
| 117 | 3784_666 PUO_Messe_1_10Z02_RM | DX2025.6 | 3784003A117 |
| 045 | 3784_667 Konditions_und_Fitnessraum_11B04_RM1 | DX2025.7 | 3784003A045 |
| 047 | 3784_668 Konditions_und_Fitnessraum_11B04_RM2 | DX2026.0 | 3784003A047 |
| 212 | 3784_669 Konditions_und_Fitnessraum_11B04_RM3 | DX2026.1 | 3784003A212 |
| 213 | 3784_670 Konditions_und_Fitnessraum_11B04_RM4 | DX2026.2 | 3784003A213 |
| 214 | 3784_671 Konditions_und_Fitnessraum_11B04_RM5 | DX2026.3 | 3784003A214 |
| 210 | 3784_672 Zitadellenschleuse_11B05_RM1 | DX2026.4 | 3784003A210 |
| 211 | 3784_673 Zitadellenschleuse_11B05_RM2 | DX2026.5 | 3784003A211 |
| 174 | 3784_674 Gang_11H00_RM1 | DX2026.6 | 3784003A174 |
| 176 | 3784_675 Gang_11H00_RM2 | DX2026.7 | 3784003A176 |
| 071 | 3784_676 Treppenhaus_11P01_RM1 | DX2027.0 | 3784003A071 |
| 120 | 3784_677 Treppenhaus_11P01_RM2 | DX2027.1 | 3784003A120 |
| 161 | 3784_678 Treppenhaus_11P01_RM3 | DX2027.2 | 3784003A161 |
| 177 | 3784_679 Treppenhaus_11P01_RM4 | DX2027.3 | 3784003A177 |
| 072 | 3784_680 Schalttafelraum_vorne_RM1 | DX2027.4 | 3784003A072 |
| 159 | 3784_681 Schalttafelraum_vorne_RM2 | DX2027.5 | 3784003A159 |
| 248 | 3784_682 Schalttafelraum_vorne_RM3 | DX2027.6 | 3784003A248 |
| 025 | 3784_683 Hilfsmaschinenraum_XI_RM1 | DX2027.7 | 3784003A025 |
| 026 | 3784_684 Hilfsmaschinenraum_XI_RM2 | DX2028.0 | 3784003A026 |

| ANS day Siemens Day | text | address | Systemnr. |
|---|---|---|---|
| 118 | 3784_685 Gang_11Z00_RM1 | DX2028.1 | 3784003A118 |
| 119 | 3784_686 Gang_11Z00_RM2 | DX2028.2 | 3784003A119 |
| 121 | 3784_687 Offz_Kammer_RM | DX2028.3 | 3784003A121 |
| 042 | 3784_688 Artillerie_und_Handwaffen_Werkstatt_12B03 | DX2028.4 | 3784003A042 |
| 006 | 3784_689 Gang_12H00_RM1 | DX2028.5 | 3784003A006 |
| 178 | 3784_690 Gang_12H00_RM2 | DX2028.6 | 3784003A178 |
| 179 | 3784_691 Gang_12H00_RM3 | DX2028.7 | 3784003A179 |
| 243 | 3784_692 Gang_12P00_RM1 | DX2029.0 | 3784003A243 |
| 007 | 3784_693 Hilfsmaschinenraum_XII_RM1 | DX2029.1 | 3784003A007 |
| 027 | 3784_694 Hilfsmaschinenraum_XII_RM2 | DX2029.2 | 3784003A027 |
| 066 | 3784_695 Hilfsmaschinenraum_XII_RM3 | DX2029.3 | 3784003A066 |
| 242 | 3784_696 Hilfsmaschinenraum_XII_RM4 | DX2029.4 | 3784003A242 |
| 028 | 3784_697 Treppenhaus_12S03_RM1 | DX2029.5 | 3784003A028 |
| 073 | 3784_698 Treppenhaus_12S03_RM2 | DX2029.6 | 3784003A073 |
| 122 | 3784_699 Treppenhaus_12S03_RM3 | DX2029.7 | 3784003A122 |
| 180 | 3784_700 Treppenhaus_12S03_RM4 | DX2030.0 | 3784003A180 |
| 074 | 3784_701 Luftschleuse_12Z00 | DX2030.1 | 3784003A074 |
| 123 | 3784_702 Gang_12Z05_RM1 | DX2030.2 | 3784003A123 |
| 124 | 3784_703 Gang_12Z05_RM2 | DX2030.3 | 3784003A124 |
| 125 | 3784_704 Gang_12Z05_RM3 | DX2030.4 | 3784003A125 |
| 183 | 3784_705 127_mm_Geräteraum_13H01_RM1 | DX2030.5 | 3784003A183 |
| 184 | 3784_706 127_mm_Geräteraum_13H01_RM2 | DX2030.6 | 3784003A184 |
| 185 | 3784_707 127_mm_Geräteraum_13H01_RM3 | DX2030.7 | 3784003A185 |
| 182 | 3784_708 ASG_Werkstatt_13H02 | DX2031.0 | 3784003A182 |
| 181 | 3784_709 Zitadellenschleuse_13H04_RM1 | DX2031.1 | 3784003A181 |
| 163 | 3784_710 127mm_Munitionskammer_Geschosse_13P00 | DX2031.2 | 3784003A163 |
| 076 | 3784_711 Notausstiegsschacht_13P02_RM | DX2031.3 | 3784003A076 |
| 077 | 3784_712 127mm_Munitionskammer_Treibladungen_XIII_RM1 DX2031.4 | | 3784003A077 |
| 126 | 3784_713 Notausstiegsschacht XIII P | DX2031.5 | 3784003A126 |
| 029 | 3784_714 Hilfsmaschinenraum_XIII_RM | DX2031.6 | 3784003A029 |
| 075 | 3784_715 127mm_Munitionskammer_und_Beladeraum_RM1 | DX2031.7 | 3784003A075 |
| 127 | 3784_716 127mm_Munitionskammer_und_Beladeraum_RM2 | DX2032.0 | 3784003A127 |
| 162 | 3784_717 127mm_Munitionskammer_und_Beladeraum_RM3 | DX2032.1 | 3784003A162 |
| 128 | 3784_718 127mm_Munitionskammer_Treibladungen_XIII_RM1 DX2032.2 | | 3784003A128 |
| 230 | 3784_719 127mm_Munitionskammer_Treibladungen_XIII_RM2 DX2032.3 | | 3784003A230 |

Table 10: Status of Space brands

### 4.8 System Status

| ANS day | Siemens Text | | | address |
|---|---|---|---|---|
| | 3784_865 | Personal tracking activation | | |
| | 3784_866 | Personal tracking Req historical data | | |
| | 3784_867 | Personnel Tracking Interface | | |
| | 3784_868 | POS Server1 status | | |
| | 3784_869 | POS Server2 status | | |
| | 3784_870 | POS silence | | |
| | 3784_871 | POS system status | | |
| | 3784_872 | POS number is written-Tags | | |
| | 3784_873 | POS number of missing tags | | |
| | 3784_880 | Historical data Year | | |
| | 3784_881 | Historical data Monthly | | |
| | 3784_882 | Historical data day | | |
| | 3784_883 | Historical data hours | | |
| | 3784_884 | Historical data Minute | | |
| | 3784_885 | Historical Data seconds | | |

Table 11: System Status

### 4.9 tags

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_001 | 3784_001 | VIEW | | |
| TAG_001 | 3784_001 | TIME ERROR | | |
| TAG_001 | 3784_001 | BATTERY | | |
| TAG_002 | 3784_002 | VIEW | | |
| TAG_002 | 3784_002 | TIME ERROR | | |
| TAG_002 | 3784_002 | BATTERY | | |
| TAG_003 | 3784_003 | VIEW | | |
| TAG_003 | 3784_003 | TIME ERROR | | |
| TAG_003 | 3784_003 | BATTERY | | |
| TAG_004 | 3784_004 | VIEW | | |
| TAG_004 | 3784_004 | TIME ERROR | | |
| TAG_004 | 3784_004 | BATTERY | | |
| TAG_005 | 3784_005 | VIEW | | |
| TAG_005 | 3784_005 | TIME ERROR | | |
| TAG_005 | 3784_005 | BATTERY | | |
| TAG_006 | 3784_006 | VIEW | | |
| TAG_006 | 3784_006 | TIME ERROR | | |
| TAG_006 | 3784_006 | BATTERY | | |
| TAG_007 | 3784_007 | VIEW | | |
| TAG_007 | 3784_007 | TIME ERROR | | |
| TAG_007 | 3784_007 | BATTERY | | |
| TAG_008 | 3784_008 | VIEW | | |
| TAG_008 | 3784_008 | TIME ERROR | | |
| TAG_008 | 3784_008 | BATTERY | | |
| TAG_009 | 3784_009 | VIEW | | |
| TAG_009 | 3784_009 | TIME ERROR | | |
| TAG_009 | 3784_009 | BATTERY | | |
| TAG_010 | 3784_010 | VIEW | | |
| TAG_010 | 3784_010 | TIME ERROR | | |
| TAG_010 | 3784_010 | BATTERY | | |
| TAG_011 | 3784_011 | VIEW | | |
| TAG_011 | 3784_011 | TIME ERROR | | |
| TAG_011 | 3784_011 | BATTERY | | |
| TAG_012 | 3784_012 | VIEW | | |
| TAG_012 | 3784_012 | TIME ERROR | | |
| TAG_012 | 3784_012 | BATTERY | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_013 | 3784_013 | VIEW | | |
| TAG_013 | 3784_013 | TIME ERROR | | |
| TAG_013 | 3784_013 | BATTERY | | |
| TAG_014 | 3784_014 | VIEW | | |
| TAG_014 | 3784_014 | TIME ERROR | | |
| TAG_014 | 3784_014 | BATTERY | | |
| TAG_015 | 3784_015 | VIEW | | |
| TAG_015 | 3784_015 | TIME ERROR | | |
| TAG_015 | 3784_015 | BATTERY | | |
| TAG_016 | 3784_016 | VIEW | | |
| TAG_016 | 3784_016 | TIME ERROR | | |
| TAG_016 | 3784_016 | BATTERY | | |
| TAG_017 | 3784_017 | VIEW | | |
| TAG_017 | 3784_017 | TIME ERROR | | |
| TAG_017 | 3784_017 | BATTERY | | |
| TAG_018 | 3784_018 | VIEW | | |
| TAG_018 | 3784_018 | TIME ERROR | | |
| TAG_018 | 3784_018 | BATTERY | | |
| TAG_019 | 3784_019 | VIEW | | |
| TAG_019 | 3784_019 | TIME ERROR | | |
| TAG_019 | 3784_019 | BATTERY | | |
| TAG_020 | 3784_020 | VIEW | | |
| TAG_020 | 3784_020 | TIME ERROR | | |
| TAG_020 | 3784_020 | BATTERY | | |
| TAG_021 | 3784_021 | VIEW | | |
| TAG_021 | 3784_021 | TIME ERROR | | |
| TAG_021 | 3784_021 | BATTERY | | |
| TAG_022 | 3784_022 | VIEW | | |
| TAG_022 | 3784_022 | TIME ERROR | | |
| TAG_022 | 3784_022 | BATTERY | | |
| TAG_023 | 3784_023 | VIEW | | |
| TAG_023 | 3784_023 | TIME ERROR | | |
| TAG_023 | 3784_023 | BATTERY | | |
| TAG_024 | 3784_024 | VIEW | | |
| TAG_024 | 3784_024 | TIME ERROR | | |
| TAG_024 | 3784_024 | BATTERY | | |
| TAG_025 | 3784_025 | VIEW | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_025 | 3784_025 | TIME ERROR | | |
| TAG_025 | 3784_025 | BATTERY | | |
| TAG_026 | 3784_026 | VIEW | | |
| TAG_026 | 3784_026 | TIME ERROR | | |
| TAG_026 | 3784_026 | BATTERY | | |
| TAG_027 | 3784_027 | VIEW | | |
| TAG_027 | 3784_027 | TIME ERROR | | |
| TAG_027 | 3784_027 | BATTERY | | |
| TAG_028 | 3784_028 | VIEW | | |
| TAG_028 | 3784_028 | TIME ERROR | | |
| TAG_028 | 3784_028 | BATTERY | | |
| TAG_029 | 3784_029 | VIEW | | |
| TAG_029 | 3784_029 | TIME ERROR | | |
| TAG_029 | 3784_029 | BATTERY | | |
| TAG_030 | 3784_030 | VIEW | | |
| TAG_030 | 3784_030 | TIME ERROR | | |
| TAG_030 | 3784_030 | BATTERY | | |
| TAG_031 | 3784_031 | VIEW | | |
| TAG_031 | 3784_031 | TIME ERROR | | |
| TAG_031 | 3784_031 | BATTERY | | |
| TAG_032 | 3784_032 | VIEW | | |
| TAG_032 | 3784_032 | TIME ERROR | | |
| TAG_032 | 3784_032 | BATTERY | | |
| TAG_033 | 3784_033 | VIEW | | |
| TAG_033 | 3784_033 | TIME ERROR | | |
| TAG_033 | 3784_033 | BATTERY | | |
| TAG_034 | 3784_034 | VIEW | | |
| TAG_034 | 3784_034 | TIME ERROR | | |
| TAG_034 | 3784_034 | BATTERY | | |
| TAG_035 | 3784_035 | VIEW | | |
| TAG_035 | 3784_035 | TIME ERROR | | |
| TAG_035 | 3784_035 | BATTERY | | |
| TAG_036 | 3784_036 | VIEW | | |
| TAG_036 | 3784_036 | TIME ERROR | | |
| TAG_036 | 3784_036 | BATTERY | | |
| TAG_037 | 3784_037 | VIEW | | |
| TAG_037 | 3784_037 | TIME ERROR | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_037 | 3784_037 | BATTERY | | |
| TAG_038 | 3784_038 | VIEW | | |
| TAG_038 | 3784_038 | TIME ERROR | | |
| TAG_038 | 3784_038 | BATTERY | | |
| TAG_039 | 3784_039 | VIEW | | |
| TAG_039 | 3784_039 | TIME ERROR | | |
| TAG_039 | 3784_039 | BATTERY | | |
| TAG_040 | 3784_040 | VIEW | | |
| TAG_040 | 3784_040 | TIME ERROR | | |
| TAG_040 | 3784_040 | BATTERY | | |
| TAG_041 | 3784_041 | VIEW | | |
| TAG_041 | 3784_041 | TIME ERROR | | |
| TAG_041 | 3784_041 | BATTERY | | |
| TAG_042 | 3784_042 | VIEW | | |
| TAG_042 | 3784_042 | TIME ERROR | | |
| TAG_042 | 3784_042 | BATTERY | | |
| TAG_043 | 3784_043 | VIEW | | |
| TAG_043 | 3784_043 | TIME ERROR | | |
| TAG_043 | 3784_043 | BATTERY | | |
| TAG_044 | 3784_044 | VIEW | | |
| TAG_044 | 3784_044 | TIME ERROR | | |
| TAG_044 | 3784_044 | BATTERY | | |
| TAG_045 | 3784_045 | VIEW | | |
| TAG_045 | 3784_045 | TIME ERROR | | |
| TAG_045 | 3784_045 | BATTERY | | |
| TAG_046 | 3784_046 | VIEW | | |
| TAG_046 | 3784_046 | TIME ERROR | | |
| TAG_046 | 3784_046 | BATTERY | | |
| TAG_047 | 3784_047 | VIEW | | |
| TAG_047 | 3784_047 | TIME ERROR | | |
| TAG_047 | 3784_047 | BATTERY | | |
| TAG_048 | 3784_048 | VIEW | | |
| TAG_048 | 3784_048 | TIME ERROR | | |
| TAG_048 | 3784_048 | BATTERY | | |
| TAG_049 | 3784_049 | VIEW | | |
| TAG_049 | 3784_049 | TIME ERROR | | |
| TAG_049 | 3784_049 | BATTERY | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_050 | 3784_050 | VIEW | | |
| TAG_050 | 3784_050 | TIME ERROR | | |
| TAG_050 | 3784_050 | BATTERY | | |
| TAG_051 | 3784_051 | VIEW | | |
| TAG_051 | 3784_051 | TIME ERROR | | |
| TAG_051 | 3784_051 | BATTERY | | |
| TAG_052 | 3784_052 | VIEW | | |
| TAG_052 | 3784_052 | TIME ERROR | | |
| TAG_052 | 3784_052 | BATTERY | | |
| TAG_053 | 3784_053 | VIEW | | |
| TAG_053 | 3784_053 | TIME ERROR | | |
| TAG_053 | 3784_053 | BATTERY | | |
| TAG_054 | 3784_054 | VIEW | | |
| TAG_054 | 3784_054 | TIME ERROR | | |
| TAG_054 | 3784_054 | BATTERY | | |
| TAG_055 | 3784_055 | VIEW | | |
| TAG_055 | 3784_055 | TIME ERROR | | |
| TAG_055 | 3784_055 | BATTERY | | |
| TAG_056 | 3784_056 | VIEW | | |
| TAG_056 | 3784_056 | TIME ERROR | | |
| TAG_056 | 3784_056 | BATTERY | | |
| TAG_057 | 3784_057 | VIEW | | |
| TAG_057 | 3784_057 | TIME ERROR | | |
| TAG_057 | 3784_057 | BATTERY | | |
| TAG_058 | 3784_058 | VIEW | | |
| TAG_058 | 3784_058 | TIME ERROR | | |
| TAG_058 | 3784_058 | BATTERY | | |
| TAG_059 | 3784_059 | VIEW | | |
| TAG_059 | 3784_059 | TIME ERROR | | |
| TAG_059 | 3784_059 | BATTERY | | |
| TAG_060 | 3784_060 | VIEW | | |
| TAG_060 | 3784_060 | TIME ERROR | | |
| TAG_060 | 3784_060 | BATTERY | | |
| TAG_061 | 3784_061 | VIEW | | |
| TAG_061 | 3784_061 | TIME ERROR | | |
| TAG_061 | 3784_061 | BATTERY | | |
| TAG_062 | 3784_062 | VIEW | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_062 | 3784_062 | TIME ERROR | | |
| TAG_062 | 3784_062 | BATTERY | | |
| TAG_063 | 3784_063 | VIEW | | |
| TAG_063 | 3784_063 | TIME ERROR | | |
| TAG_063 | 3784_063 | BATTERY | | |
| TAG_064 | 3784_064 | VIEW | | |
| TAG_064 | 3784_064 | TIME ERROR | | |
| TAG_064 | 3784_064 | BATTERY | | |
| TAG_065 | 3784_065 | VIEW | | |
| TAG_065 | 3784_065 | TIME ERROR | | |
| TAG_065 | 3784_065 | BATTERY | | |
| TAG_066 | 3784_066 | VIEW | | |
| TAG_066 | 3784_066 | TIME ERROR | | |
| TAG_066 | 3784_066 | BATTERY | | |
| TAG_067 | 3784_067 | VIEW | | |
| TAG_067 | 3784_067 | TIME ERROR | | |
| TAG_067 | 3784_067 | BATTERY | | |
| TAG_068 | 3784_068 | VIEW | | |
| TAG_068 | 3784_068 | TIME ERROR | | |
| TAG_068 | 3784_068 | BATTERY | | |
| TAG_069 | 3784_069 | VIEW | | |
| TAG_069 | 3784_069 | TIME ERROR | | |
| TAG_069 | 3784_069 | BATTERY | | |
| TAG_070 | 3784_070 | VIEW | | |
| TAG_070 | 3784_070 | TIME ERROR | | |
| TAG_070 | 3784_070 | BATTERY | | |
| TAG_071 | 3784_071 | VIEW | | |
| TAG_071 | 3784_071 | TIME ERROR | | |
| TAG_071 | 3784_071 | BATTERY | | |
| TAG_072 | 3784_072 | VIEW | | |
| TAG_072 | 3784_072 | TIME ERROR | | |
| TAG_072 | 3784_072 | BATTERY | | |
| TAG_073 | 3784_073 | VIEW | | |
| TAG_073 | 3784_073 | TIME ERROR | | |
| TAG_073 | 3784_073 | BATTERY | | |
| TAG_074 | 3784_074 | VIEW | | |
| TAG_074 | 3784_074 | TIME ERROR | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_074 | 3784_074 | BATTERY | | |
| TAG_075 | 3784_075 | VIEW | | |
| TAG_075 | 3784_075 | TIME ERROR | | |
| TAG_075 | 3784_075 | BATTERY | | |
| TAG_076 | 3784_076 | VIEW | | |
| TAG_076 | 3784_076 | TIME ERROR | | |
| TAG_076 | 3784_076 | BATTERY | | |
| TAG_077 | 3784_077 | VIEW | | |
| TAG_077 | 3784_077 | TIME ERROR | | |
| TAG_077 | 3784_077 | BATTERY | | |
| TAG_078 | 3784_078 | VIEW | | |
| TAG_078 | 3784_078 | TIME ERROR | | |
| TAG_078 | 3784_078 | BATTERY | | |
| TAG_079 | 3784_079 | VIEW | | |
| TAG_079 | 3784_079 | TIME ERROR | | |
| TAG_079 | 3784_079 | BATTERY | | |
| TAG_080 | 3784_080 | VIEW | | |
| TAG_080 | 3784_080 | TIME ERROR | | |
| TAG_080 | 3784_080 | BATTERY | | |
| TAG_081 | 3784_081 | VIEW | | |
| TAG_081 | 3784_081 | TIME ERROR | | |
| TAG_081 | 3784_081 | BATTERY | | |
| TAG_082 | 3784_082 | VIEW | | |
| TAG_082 | 3784_082 | TIME ERROR | | |
| TAG_082 | 3784_082 | BATTERY | | |
| TAG_083 | 3784_083 | VIEW | | |
| TAG_083 | 3784_083 | TIME ERROR | | |
| TAG_083 | 3784_083 | BATTERY | | |
| TAG_084 | 3784_084 | VIEW | | |
| TAG_084 | 3784_084 | TIME ERROR | | |
| TAG_084 | 3784_084 | BATTERY | | |
| TAG_085 | 3784_085 | VIEW | | |
| TAG_085 | 3784_085 | TIME ERROR | | |
| TAG_085 | 3784_085 | BATTERY | | |
| TAG_086 | 3784_086 | VIEW | | |
| TAG_086 | 3784_086 | TIME ERROR | | |
| TAG_086 | 3784_086 | BATTERY | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_087 | 3784_087 | VIEW | | |
| TAG_087 | 3784_087 | TIME ERROR | | |
| TAG_087 | 3784_087 | BATTERY | | |
| TAG_088 | 3784_088 | VIEW | | |
| TAG_088 | 3784_088 | TIME ERROR | | |
| TAG_088 | 3784_088 | BATTERY | | |
| TAG_089 | 3784_089 | VIEW | | |
| TAG_089 | 3784_089 | TIME ERROR | | |
| TAG_089 | 3784_089 | BATTERY | | |
| TAG_090 | 3784_090 | VIEW | | |
| TAG_090 | 3784_090 | TIME ERROR | | |
| TAG_090 | 3784_090 | BATTERY | | |
| TAG_091 | 3784_091 | VIEW | | |
| TAG_091 | 3784_091 | TIME ERROR | | |
| TAG_091 | 3784_091 | BATTERY | | |
| TAG_092 | 3784_092 | VIEW | | |
| TAG_092 | 3784_092 | TIME ERROR | | |
| TAG_092 | 3784_092 | BATTERY | | |
| TAG_093 | 3784_093 | VIEW | | |
| TAG_093 | 3784_093 | TIME ERROR | | |
| TAG_093 | 3784_093 | BATTERY | | |
| TAG_094 | 3784_094 | VIEW | | |
| TAG_094 | 3784_094 | TIME ERROR | | |
| TAG_094 | 3784_094 | BATTERY | | |
| TAG_095 | 3784_095 | VIEW | | |
| TAG_095 | 3784_095 | TIME ERROR | | |
| TAG_095 | 3784_095 | BATTERY | | |
| TAG_096 | 3784_096 | VIEW | | |
| TAG_096 | 3784_096 | TIME ERROR | | |
| TAG_096 | 3784_096 | BATTERY | | |
| TAG_097 | 3784_097 | VIEW | | |
| TAG_097 | 3784_097 | TIME ERROR | | |
| TAG_097 | 3784_097 | BATTERY | | |
| TAG_098 | 3784_098 | VIEW | | |
| TAG_098 | 3784_098 | TIME ERROR | | |
| TAG_098 | 3784_098 | BATTERY | | |
| TAG_099 | 3784_099 | VIEW | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_099 | 3784_099 | TIME ERROR | | |
| TAG_099 | 3784_099 | BATTERY | | |
| TAG_100 | 3784_100 | VIEW | | |
| TAG_100 | 3784_100 | TIME ERROR | | |
| TAG_100 | 3784_100 | BATTERY | | |
| TAG_101 | 3784_101 | VIEW | | |
| TAG_101 | 3784_101 | TIME ERROR | | |
| TAG_101 | 3784_101 | BATTERY | | |
| TAG_102 | 3784_102 | VIEW | | |
| TAG_102 | 3784_102 | TIME ERROR | | |
| TAG_102 | 3784_102 | BATTERY | | |
| TAG_103 | 3784_103 | VIEW | | |
| TAG_103 | 3784_103 | TIME ERROR | | |
| TAG_103 | 3784_103 | BATTERY | | |
| TAG_104 | 3784_104 | VIEW | | |
| TAG_104 | 3784_104 | TIME ERROR | | |
| TAG_104 | 3784_104 | BATTERY | | |
| TAG_105 | 3784_105 | VIEW | | |
| TAG_105 | 3784_105 | TIME ERROR | | |
| TAG_105 | 3784_105 | BATTERY | | |
| TAG_106 | 3784_106 | VIEW | | |
| TAG_106 | 3784_106 | TIME ERROR | | |
| TAG_106 | 3784_106 | BATTERY | | |
| TAG_107 | 3784_107 | VIEW | | |
| TAG_107 | 3784_107 | TIME ERROR | | |
| TAG_107 | 3784_107 | BATTERY | | |
| TAG_108 | 3784_108 | VIEW | | |
| TAG_108 | 3784_108 | TIME ERROR | | |
| TAG_108 | 3784_108 | BATTERY | | |
| TAG_109 | 3784_109 | VIEW | | |
| TAG_109 | 3784_109 | TIME ERROR | | |
| TAG_109 | 3784_109 | BATTERY | | |
| TAG_110 | 3784_110 | VIEW | | |
| TAG_110 | 3784_110 | TIME ERROR | | |
| TAG_110 | 3784_110 | BATTERY | | |
| TAG_111 | 3784_111 | VIEW | | |
| TAG_111 | 3784_111 | TIME ERROR | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_111 | 3784_111 | BATTERY | | |
| TAG_112 | 3784_112 | VIEW | | |
| TAG_112 | 3784_112 | TIME ERROR | | |
| TAG_112 | 3784_112 | BATTERY | | |
| TAG_113 | 3784_113 | VIEW | | |
| TAG_113 | 3784_113 | TIME ERROR | | |
| TAG_113 | 3784_113 | BATTERY | | |
| TAG_114 | 3784_114 | VIEW | | |
| TAG_114 | 3784_114 | TIME ERROR | | |
| TAG_114 | 3784_114 | BATTERY | | |
| TAG_115 | 3784_115 | VIEW | | |
| TAG_115 | 3784_115 | TIME ERROR | | |
| TAG_115 | 3784_115 | BATTERY | | |
| TAG_116 | 3784_116 | VIEW | | |
| TAG_116 | 3784_116 | TIME ERROR | | |
| TAG_116 | 3784_116 | BATTERY | | |
| TAG_117 | 3784_117 | VIEW | | |
| TAG_117 | 3784_117 | TIME ERROR | | |
| TAG_117 | 3784_117 | BATTERY | | |
| TAG_118 | 3784_118 | VIEW | | |
| TAG_118 | 3784_118 | TIME ERROR | | |
| TAG_118 | 3784_118 | BATTERY | | |
| TAG_119 | 3784_119 | VIEW | | |
| TAG_119 | 3784_119 | TIME ERROR | | |
| TAG_119 | 3784_119 | BATTERY | | |
| TAG_120 | 3784_120 | VIEW | | |
| TAG_120 | 3784_120 | TIME ERROR | | |
| TAG_120 | 3784_120 | BATTERY | | |
| TAG_121 | 3784_121 | VIEW | | |
| TAG_121 | 3784_121 | TIME ERROR | | |
| TAG_121 | 3784_121 | BATTERY | | |
| TAG_122 | 3784_122 | VIEW | | |
| TAG_122 | 3784_122 | TIME ERROR | | |
| TAG_122 | 3784_122 | BATTERY | | |
| TAG_123 | 3784_123 | VIEW | | |
| TAG_123 | 3784_123 | TIME ERROR | | |
| TAG_123 | 3784_123 | BATTERY | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_124 | 3784_124 | VIEW | | |
| TAG_124 | 3784_124 | TIME ERROR | | |
| TAG_124 | 3784_124 | BATTERY | | |
| TAG_125 | 3784_125 | VIEW | | |
| TAG_125 | 3784_125 | TIME ERROR | | |
| TAG_125 | 3784_125 | BATTERY | | |
| TAG_126 | 3784_126 | VIEW | | |
| TAG_126 | 3784_126 | TIME ERROR | | |
| TAG_126 | 3784_126 | BATTERY | | |
| TAG_127 | 3784_127 | VIEW | | |
| TAG_127 | 3784_127 | TIME ERROR | | |
| TAG_127 | 3784_127 | BATTERY | | |
| TAG_128 | 3784_128 | VIEW | | |
| TAG_128 | 3784_128 | TIME ERROR | | |
| TAG_128 | 3784_128 | BATTERY | | |
| TAG_129 | 3784_129 | VIEW | | |
| TAG_129 | 3784_129 | TIME ERROR | | |
| TAG_129 | 3784_129 | BATTERY | | |
| TAG_130 | 3784_130 | VIEW | | |
| TAG_130 | 3784_130 | TIME ERROR | | |
| TAG_130 | 3784_130 | BATTERY | | |
| TAG_131 | 3784_131 | VIEW | | |
| TAG_131 | 3784_131 | TIME ERROR | | |
| TAG_131 | 3784_131 | BATTERY | | |
| TAG_132 | 3784_132 | VIEW | | |
| TAG_132 | 3784_132 | TIME ERROR | | |
| TAG_132 | 3784_132 | BATTERY | | |
| TAG_133 | 3784_133 | VIEW | | |
| TAG_133 | 3784_133 | TIME ERROR | | |
| TAG_133 | 3784_133 | BATTERY | | |
| TAG_134 | 3784_134 | VIEW | | |
| TAG_134 | 3784_134 | TIME ERROR | | |
| TAG_134 | 3784_134 | BATTERY | | |
| TAG_135 | 3784_135 | VIEW | | |
| TAG_135 | 3784_135 | TIME ERROR | | |
| TAG_135 | 3784_135 | BATTERY | | |
| TAG_136 | 3784_136 | VIEW | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_136 | 3784_136 | TIME ERROR | | |
| TAG_136 | 3784_136 | BATTERY | | |
| TAG_137 | 3784_137 | VIEW | | |
| TAG_137 | 3784_137 | TIME ERROR | | |
| TAG_137 | 3784_137 | BATTERY | | |
| TAG_138 | 3784_138 | VIEW | | |
| TAG_138 | 3784_138 | TIME ERROR | | |
| TAG_138 | 3784_138 | BATTERY | | |
| TAG_139 | 3784_139 | VIEW | | |
| TAG_139 | 3784_139 | TIME ERROR | | |
| TAG_139 | 3784_139 | BATTERY | | |
| TAG_140 | 3784_140 | VIEW | | |
| TAG_140 | 3784_140 | TIME ERROR | | |
| TAG_140 | 3784_140 | BATTERY | | |
| TAG_141 | 3784_141 | VIEW | | |
| TAG_141 | 3784_141 | TIME ERROR | | |
| TAG_141 | 3784_141 | BATTERY | | |
| TAG_142 | 3784_142 | VIEW | | |
| TAG_142 | 3784_142 | TIME ERROR | | |
| TAG_142 | 3784_142 | BATTERY | | |
| TAG_143 | 3784_143 | VIEW | | |
| TAG_143 | 3784_143 | TIME ERROR | | |
| TAG_143 | 3784_143 | BATTERY | | |
| TAG_144 | 3784_144 | VIEW | | |
| TAG_144 | 3784_144 | TIME ERROR | | |
| TAG_144 | 3784_144 | BATTERY | | |
| TAG_145 | 3784_145 | VIEW | | |
| TAG_145 | 3784_145 | TIME ERROR | | |
| TAG_145 | 3784_145 | BATTERY | | |
| TAG_146 | 3784_146 | VIEW | | |
| TAG_146 | 3784_146 | TIME ERROR | | |
| TAG_146 | 3784_146 | BATTERY | | |
| TAG_147 | 3784_147 | VIEW | | |
| TAG_147 | 3784_147 | TIME ERROR | | |
| TAG_147 | 3784_147 | BATTERY | | |
| TAG_148 | 3784_148 | VIEW | | |
| TAG_148 | 3784_148 | TIME ERROR | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_148 | 3784_148 | BATTERY | | |
| TAG_149 | 3784_149 | VIEW | | |
| TAG_149 | 3784_149 | TIME ERROR | | |
| TAG_149 | 3784_149 | BATTERY | | |
| TAG_150 | 3784_150 | VIEW | | |
| TAG_150 | 3784_150 | TIME ERROR | | |
| TAG_150 | 3784_150 | BATTERY | | |
| TAG_151 | 3784_151 | VIEW | | |
| TAG_151 | 3784_151 | TIME ERROR | | |
| TAG_151 | 3784_151 | BATTERY | | |
| TAG_152 | 3784_152 | VIEW | | |
| TAG_152 | 3784_152 | TIME ERROR | | |
| TAG_152 | 3784_152 | BATTERY | | |
| TAG_153 | 3784_153 | VIEW | | |
| TAG_153 | 3784_153 | TIME ERROR | | |
| TAG_153 | 3784_153 | BATTERY | | |
| TAG_154 | 3784_154 | VIEW | | |
| TAG_154 | 3784_154 | TIME ERROR | | |
| TAG_154 | 3784_154 | BATTERY | | |
| TAG_155 | 3784_155 | VIEW | | |
| TAG_155 | 3784_155 | TIME ERROR | | |
| TAG_155 | 3784_155 | BATTERY | | |
| TAG_156 | 3784_156 | VIEW | | |
| TAG_156 | 3784_156 | TIME ERROR | | |
| TAG_156 | 3784_156 | BATTERY | | |
| TAG_157 | 3784_157 | VIEW | | |
| TAG_157 | 3784_157 | TIME ERROR | | |
| TAG_157 | 3784_157 | BATTERY | | |
| TAG_158 | 3784_158 | VIEW | | |
| TAG_158 | 3784_158 | TIME ERROR | | |
| TAG_158 | 3784_158 | BATTERY | | |
| TAG_159 | 3784_159 | VIEW | | |
| TAG_159 | 3784_159 | TIME ERROR | | |
| TAG_159 | 3784_159 | BATTERY | | |
| TAG_160 | 3784_160 | VIEW | | |
| TAG_160 | 3784_160 | TIME ERROR | | |
| TAG_160 | 3784_160 | BATTERY | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_161 | 3784_161 | VIEW | | |
| TAG_161 | 3784_161 | TIME ERROR | | |
| TAG_161 | 3784_161 | BATTERY | | |
| TAG_162 | 3784_162 | VIEW | | |
| TAG_162 | 3784_162 | TIME ERROR | | |
| TAG_162 | 3784_162 | BATTERY | | |
| TAG_163 | 3784_163 | VIEW | | |
| TAG_163 | 3784_163 | TIME ERROR | | |
| TAG_163 | 3784_163 | BATTERY | | |
| TAG_164 | 3784_164 | VIEW | | |
| TAG_164 | 3784_164 | TIME ERROR | | |
| TAG_164 | 3784_164 | BATTERY | | |
| TAG_165 | 3784_165 | VIEW | | |
| TAG_165 | 3784_165 | TIME ERROR | | |
| TAG_165 | 3784_165 | BATTERY | | |
| TAG_166 | 3784_166 | VIEW | | |
| TAG_166 | 3784_166 | TIME ERROR | | |
| TAG_166 | 3784_166 | BATTERY | | |
| TAG_167 | 3784_167 | VIEW | | |
| TAG_167 | 3784_167 | TIME ERROR | | |
| TAG_167 | 3784_167 | BATTERY | | |
| TAG_168 | 3784_168 | VIEW | | |
| TAG_168 | 3784_168 | TIME ERROR | | |
| TAG_168 | 3784_168 | BATTERY | | |
| TAG_169 | 3784_169 | VIEW | | |
| TAG_169 | 3784_169 | TIME ERROR | | |
| TAG_169 | 3784_169 | BATTERY | | |
| TAG_170 | 3784_170 | VIEW | | |
| TAG_170 | 3784_170 | TIME ERROR | | |
| TAG_170 | 3784_170 | BATTERY | | |
| TAG_171 | 3784_171 | VIEW | | |
| TAG_171 | 3784_171 | TIME ERROR | | |
| TAG_171 | 3784_171 | BATTERY | | |
| TAG_172 | 3784_172 | VIEW | | |
| TAG_172 | 3784_172 | TIME ERROR | | |
| TAG_172 | 3784_172 | BATTERY | | |
| TAG_173 | 3784_173 | VIEW | | |

| Day No. | Siemens / not pinpointed | day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | address |
|---|---|---|---|---|
| TAG_173 | 3784_173 | TIME ERROR | | |
| TAG_173 | 3784_173 | BATTERY | | |
| TAG_174 | 3784_174 | VIEW | | |
| TAG_174 | 3784_174 | TIME ERROR | | |
| TAG_174 | 3784_174 | BATTERY | | |
| TAG_175 | 3784_175 | VIEW | | |
| TAG_175 | 3784_175 | TIME ERROR | | |
| TAG_175 | 3784_175 | BATTERY | | |
| TAG_176 | 3784_176 | VIEW | | |
| TAG_176 | 3784_176 | TIME ERROR | | |
| TAG_176 | 3784_176 | BATTERY | | |
| TAG_177 | 3784_177 | VIEW | | |
| TAG_177 | 3784_177 | TIME ERROR | | |
| TAG_177 | 3784_177 | BATTERY | | |
| TAG_178 | 3784_178 | VIEW | | |
| TAG_178 | 3784_178 | TIME ERROR | | |
| TAG_178 | 3784_178 | BATTERY | | |
| TAG_179 | 3784_179 | VIEW | | |
| TAG_179 | 3784_179 | TIME ERROR | | |
| TAG_179 | 3784_179 | BATTERY | | |
| TAG_180 | 3784_180 | VIEW | | |
| TAG_180 | 3784_180 | TIME ERROR | | |
| TAG_180 | 3784_180 | BATTERY | | |
| TAG_181 | 3784_181 | VIEW | | |
| TAG_181 | 3784_181 | TIME ERROR | | |
| TAG_181 | 3784_181 | BATTERY | | |
| TAG_182 | 3784_182 | VIEW | | |
| TAG_182 | 3784_182 | TIME ERROR | | |
| TAG_182 | 3784_182 | BATTERY | | |
| TAG_183 | 3784_183 | VIEW | | |
| TAG_183 | 3784_183 | TIME ERROR | | |
| TAG_183 | 3784_183 | BATTERY | | |
| TAG_184 | 3784_184 | VIEW | | |
| TAG_184 | 3784_184 | TIME ERROR | | |
| TAG_184 | 3784_184 | BATTERY | | |
| TAG_185 | 3784_185 | VIEW | | |
| TAG_185 | 3784_185 | TIME ERROR | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_185 | 3784_185 | BATTERY | | |
| TAG_186 | 3784_186 | VIEW | | |
| TAG_186 | 3784_186 | TIME ERROR | | |
| TAG_186 | 3784_186 | BATTERY | | |
| TAG_187 | 3784_187 | VIEW | | |
| TAG_187 | 3784_187 | TIME ERROR | | |
| TAG_187 | 3784_187 | BATTERY | | |
| TAG_188 | 3784_188 | VIEW | | |
| TAG_188 | 3784_188 | TIME ERROR | | |
| TAG_188 | 3784_188 | BATTERY | | |
| TAG_189 | 3784_189 | VIEW | | |
| TAG_189 | 3784_189 | TIME ERROR | | |
| TAG_189 | 3784_189 | BATTERY | | |
| TAG_190 | 3784_190 | VIEW | | |
| TAG_190 | 3784_190 | TIME ERROR | | |
| TAG_190 | 3784_190 | BATTERY | | |
| TAG_191 | 3784_191 | VIEW | | |
| TAG_191 | 3784_191 | TIME ERROR | | |
| TAG_191 | 3784_191 | BATTERY | | |
| TAG_192 | 3784_192 | VIEW | | |
| TAG_192 | 3784_192 | TIME ERROR | | |
| TAG_192 | 3784_192 | BATTERY | | |
| TAG_193 | 3784_193 | VIEW | | |
| TAG_193 | 3784_193 | TIME ERROR | | |
| TAG_193 | 3784_193 | BATTERY | | |
| TAG_194 | 3784_194 | VIEW | | |
| TAG_194 | 3784_194 | TIME ERROR | | |
| TAG_194 | 3784_194 | BATTERY | | |
| TAG_195 | 3784_195 | VIEW | | |
| TAG_195 | 3784_195 | TIME ERROR | | |
| TAG_195 | 3784_195 | BATTERY | | |
| TAG_196 | 3784_196 | VIEW | | |
| TAG_196 | 3784_196 | TIME ERROR | | |
| TAG_196 | 3784_196 | BATTERY | | |
| TAG_197 | 3784_197 | VIEW | | |
| TAG_197 | 3784_197 | TIME ERROR | | |
| TAG_197 | 3784_197 | BATTERY | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_198 | 3784_198 | VIEW | | |
| TAG_198 | 3784_198 | TIME ERROR | | |
| TAG_198 | 3784_198 | BATTERY | | |
| TAG_199 | 3784_199 | VIEW | | |
| TAG_199 | 3784_199 | TIME ERROR | | |
| TAG_199 | 3784_199 | BATTERY | | |
| TAG_200 | 3784_200 | VIEW | | |
| TAG_200 | 3784_200 | TIME ERROR | | |
| TAG_200 | 3784_200 | BATTERY | | |
| TAG_201 | 3784_201 | VIEW | | |
| TAG_201 | 3784_201 | TIME ERROR | | |
| TAG_201 | 3784_201 | BATTERY | | |
| TAG_202 | 3784_202 | VIEW | | |
| TAG_202 | 3784_202 | TIME ERROR | | |
| TAG_202 | 3784_202 | BATTERY | | |
| TAG_203 | 3784_203 | VIEW | | |
| TAG_203 | 3784_203 | TIME ERROR | | |
| TAG_203 | 3784_003 | BATTERY | | |
| TAG_204 | 3784_204 | VIEW | | |
| TAG_204 | 3784_204 | TIME ERROR | | |
| TAG_204 | 3784_204 | BATTERY | | |
| TAG_205 | 3784_205 | VIEW | | |
| TAG_205 | 3784_205 | TIME ERROR | | |
| TAG_205 | 3784_205 | BATTERY | | |
| TAG_206 | 3784_206 | VIEW | | |
| TAG_206 | 3784_206 | TIME ERROR | | |
| TAG_206 | 3784_206 | BATTERY | | |
| TAG_207 | 3784_207 | VIEW | | |
| TAG_207 | 3784_207 | TIME ERROR | | |
| TAG_207 | 3784_207 | BATTERY | | |
| TAG_208 | 3784_208 | VIEW | | |
| TAG_208 | 3784_208 | TIME ERROR | | |
| TAG_208 | 3784_208 | BATTERY | | |
| TAG_209 | 3784_209 | VIEW | | |
| TAG_009 | 3784_209 | TIME ERROR | | |
| TAG_209 | 3784_209 | BATTERY | | |
| TAG_210 | 3784_210 | VIEW | | |

| Day No. Siemens / not pinpointed day view / Logged / Missing (> 12h) (> 6h) / Sold out / tag-fault / battery status | | | | address |
|---|---|---|---|---|
| TAG_210 | 3784_210 | TIME ERROR | | |
| TAG_210 | 3784_210 | BATTERY | | |
| TAG_211 | 3784_211 | VIEW | | |
| TAG_211 | 3784_211 | TIME ERROR | | |
| TAG_211 | 3784_211 | BATTERY | | |
| TAG_212 | 3784_212 | VIEW | | |
| TAG_212 | 3784_212 | TIME ERROR | | |
| TAG_212 | 3784_212 | BATTERY | | |
| TAG_213 | 3784_213 | VIEW | | |
| TAG_213 | 3784_213 | TIME ERROR | | |
| TAG_213 | 3784_213 | BATTERY | | |
| TAG_214 | 3784_214 | VIEW | | |
| TAG_214 | 3784_214 | TIME ERROR | | |
| TAG_214 | 3784_214 | BATTERY | | |
| TAG_215 | 3784_215 | VIEW | | |
| TAG_215 | 3784_215 | TIME ERROR | | |
| TAG_215 | 3784_215 | BATTERY | | |
| TAG_216 | 3784_216 | VIEW | | |
| TAG_216 | 3784_216 | TIME ERROR | | |
| TAG_216 | 3784_216 | BATTERY | | |
| TAG_217 | 3784_217 | VIEW | | |
| TAG_217 | 3784_217 | TIME ERROR | | |
| TAG_217 | 3784_217 | BATTERY | | |
| TAG_218 | 3784_218 | VIEW | | |
| TAG_218 | 3784_218 | TIME ERROR | | |
| TAG_218 | 3784_218 | BATTERY | | |
| TAG_219 | 3784_219 | VIEW | | |
| TAG_219 | 3784_219 | TIME ERROR | | |
| TAG_219 | 3784_219 | BATTERY | | |
| TAG_220 | 3784_220 | VIEW | | |
| TAG_220 | 3784_220 | TIME ERROR | | |
| TAG_220 | 3784_220 | BATTERY | | |
| TAG_221 | 3784_221 | VIEW | | |
| TAG_221 | 3784_221 | TIME ERROR | | |
| TAG_221 | 3784_221 | BATTERY | | |
| TAG_222 | 3784_222 | VIEW | | |
| TAG_222 | 3784_222 | TIME ERROR | | |

# Abbreviations and Definitions

**Abbreviations**

| abbreviation | description |
|---|---|
| (R) ARP | (Reverse) Address Resolution Protocol |
| AGS | Installations and equipment specification |
| ANS | Active Network Sea Systems GmbH |
| ALG | Application Layer Gateway |
| AU | Access Unit |
| CCTV | Closed Circuit Television |
| CoS | Class of Service |
| CSC | CSC Germany GmbH |
| DHCP | Dynamic Host Configuration Protocol |
| B switch | backbone Switch |
| IT | application system |
| EZ / AZ | Inspection Center and Training Center |
| FachInfoSys | Fachinformationssystem |
| FTP | File Transfer Protocol |
| FüWES | Combat Management System |
| http | Hypertext transfer protocol |
| IBN | Integrated onboard network |
| ICD | Interface Control Document |
| IGMP Vx | Internet Group Management Protocol version x |
| ILASST | Integrated control and automation system Ship Technology |
| InfoÜSys | Information transfer systems |
| IP | Internet protocol |
| LAN | Local Area Network |
| LC | Lucent Connector |
| LWL | optical fiber |
| MAC | Media Access Control (address) |
| MDI | Medium Dependent Interface |
| MM | multimode |
| MODEA | Mobile Datensicht-, input and output device |
| MSB | Multi Service Board Network |
| NAT | Network Address Translation (address translation) |
| NAV | navigation |
| NMS | Network Management System |
| NTP | Network Time Protocol |
| PC | personal computer |
| PFL | packet filter |

| abbreviation | description |
|---|---|
| PM | Power management |
| PoE | Power over Ethernet |
| R / S | Red / Black (separation) |
| RdTV | Radio Television (ship's radio and television system) |
| RSTP | Rapid Spanning Tree Protocol |
| SCIT | System Configuration Item Test |
| SiFi | safety filter |
| SLA | Ship speaker system |
| SSH | Secure Shell |
| SSichBer | Vessel protection area |
| SVF | Ship traffic telephone system |
| TA | Technical Agreement |
| TAzV | Technical Annex to the Contract |
| tbd | to be defined |
| tbn | to be Noted |
| TCP / IP | Transmission Control Protocol / Internet Protocol |
| UDP | User Datagram Protocol |
| UPS | Uninterruptible power supply |
| UTC | Universal Time Coordinated |
| VLAN | Virtual Local Area Networks |
| VPN | Virtual Private Network |
| RESTRICTED | Classified - For official use |
| MSB | Multi Service Board Network |
| ILASST | Integrated control and automation system Ship Technology |
| VLAN | Virtual Local Area Networks |
| TCP / IP | Transmission Control Protocol / Internet Protocol |
| IT Sibo | IT - Security board |
| UDP | User Datagram Protocol |
| DAY | Belt clip, the crew carries |
| POS | Personal tracking system |
| room brand | Communication interface between TAG and the POS servers |
| POS server | Personenortungssserver |