

# Asterix category 065 - SDPS Service Status Reports

**category:** 065

**edition:** 1.5

**date:** 2020-06-18

## Preamble

Surveillance data exchange.

## Description of standard data items

### I065/000 - Message Type

definition: This Data Item allows for a more convenient handling of the messages at the receiver side by further defining the type of transaction.

Element

bit size: 8

Values:

- 1: SDPS Status
- 2: End of Batch
- 3: Service Status Report

#### Notes:

- In application where transactions of various types are exchanged, the Message Type Data Item facilitates the proper message handling at the receiver side.

### I065/010 - Data Source Identifier

definition: Identification of the system sending the data.

Group

#### I065/010/SAC - System Area Code

Element

bit size: 8

Raw Content

#### I065/010/SIC - System Identification Code

Element

bit size: 8

Raw Content

#### Note:

- The up-to-date list of SACs is published on the EUROCONTROL Web Site (<http://www.eurocontrol.int/asterix>).

### I065/015 - Service Identification

definition: Identification of the service provided to one or more users.

Element

bit size: 8

Raw Content

**Note:**

- The service identification is allocated by the SDPS.

**I065/020 - Batch Number**

definition: A number indicating the completion of a service for that batch of track data, from 0 to N-1, N being the number of batches used to make one complete processing cycle.

Element

bit size: 8

Unsigned integer

**I065/030 - Time of Message**

definition: Absolute time stamping of the message, in the form of elapsed time since last midnight, expressed as UTC.

Element

bit size: 24

Unsigned quantity

LSB =  $1/2^7$  s  $\approx 7.8125e - 3$  s

unit: "s"

**Note:**

- The time is reset to zero at every midnight.

**I065/040 - SDPS Configuration and Status**

definition: Status of an SDPS.

Group

**I065/040/NOGO**

Element

bit size: 2

Values:

- 0:** Operational
- 1:** Degraded
- 2:** Not currently connected
- 3:** Unknown

**I065/040/OVL**

Element

bit size: 1

Values:

- 0:** Default
- 1:** Overload

**I065/040/TSV**

Element

bit size: 1

Values:

- 0:** Default
- 1:** Invalid Time Source

**I065/040/PSS - Processing System Status**

Element

bit size: 2

Values:

- 0: Not applicable
- 1: SDPS-1 selected
- 2: SDPS-2 selected
- 3: SDPS-3 selected

### **I065/040/STTN - Track Re-numbering Indication**

Element

bit size: 1

Raw Content

The STTN bit indicates when track numbering has been restarted. The STTN bit is a toggle bit that changes its value whenever the SDPS system starts re-numbering its tracks. Re-numbering of the track takes place either after SDPS start-up (cold or hot start-up) or when a configuration set has been changed (please note that the latter case is ARTAS specific behaviour and may be different in another SDPS).

Spare bits: 1

### **I065/050 - Service Status Report**

definition: Report sent by the SDPS related to a service

Element

bit size: 8

Values:

- 1: Service degradation
- 2: Service degradation ended
- 3: Main radar out of service
- 4: Service interrupted by the operator
- 5: Service interrupted due to contingency
- 6: Ready for service restart after contingency
- 7: Service ended by the operator
- 8: Failure of user main radar
- 9: Service restarted by the operator
- 10: Main radar becoming operational
- 11: Main radar becoming degraded
- 12: Service continuity interrupted due to disconnection with adjacent unit
- 13: Service continuity restarted
- 14: Service synchronised on backup radar
- 15: Service synchronised on main radar
- 16: Main and backup radar, if any, failed

### **I065/RE - Reserved Expansion Field**

definition: Expansion

Explicit (ReservedExpansion)

### **I065/SP - Special Purpose Field**

definition: Special Purpose Field

Explicit (SpecialPurpose)

### **User Application Profile**

- 1: I065/010 - Data Source Identifier
- 2: I065/000 - Message Type
- 3: I065/015 - Service Identification

- 4: I065/030 - Time of Message
- 5: I065/020 - Batch Number
- 6: I065/040 - SDPS Configuration and Status
- 7: I065/050 - Service Status Report
- (FX) - Field extension indicator
- *Spare*
- *Spare*
- *Spare*
- *Spare*
- *Spare*
- 13: I065/RE - Reserved Expansion Field
- 14: I065/SP - Special Purpose Field
- (FX) - Field extension indicator