# Asterix expansion 062 - Coding rules for Reserved Expansion Field

**category**: 062

**edition**: 1.2

**date**: 2011-06-01

**FSPEC byte size**: 1

## Items

### CST - Contributing Sensors With Local Tracknumbers

definition: List of Sensors contributing to the system track and providing a local track-number

Repetitive

Regular, 1 byte(s) REP field size.

Group

#### CST/SAC - System Area Code

Element
bit size: 8
Raw Content

#### CST/SIC - System Identification Code

Element
bit size: 8
Raw Content

Spare bits: 4

#### CST/TYP

Element
bit size: 4
Values:
- **0:** No detection
- **1:** Single PSR detection
- **2:** Single SSR detection
- **3:** SSR+PSR detection
- **4:** Single Mode S All-Call
- **5:** Single Mode S Roll-Call
- **6:** Mode S All-Call + PSR
- **7:** Mode S Roll-Call + PSR
- **8:** ADS-B
- **9:** WAM

#### CST/LTN - Local Track Number

Element
bit size: 16
Raw Content

### CSN - Contributing Sensors No Local Tracknumbers

definition: List of Sensors contributing to the system track and not providing a local track-number

Repetitive

Regular, 1 byte(s) REP field size.

Group

**CSN/SAC - System Area Code**

> Element
> bit size: 8
> Raw Content

**CSN/SIC - System Identification Code**

> Element
> bit size: 8
> Raw Content

Spare bits: 4

**CSN/TYP**

> Element
> bit size: 4
> Values:
>> **0:** No detection
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>> **8:** ADS-B
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## TVS - Calculated Track Velocity Relative to System Reference Point

definition: Calculated track velocity expressed in Cartesian co-ordinates relative to the system reference point, in two's complement form.

Group

**TVS/VX**

> Element
> bit size: 16
> Signed quantity
> LSB = $1/2^2$ m/s $\approx$ 0.25 m/s
> unit: "m/s"
> >= $-8192.0$
> <= 8191.75

**TVS/VY**

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> bit size: 16
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> >= $-8192.0$
> <= 8191.75

**Note:** The y-axis points to the Geographical North at the system reference point as available in the Reserved Expansion Field of category 065.

## STS - Supplementary Track Status

definition: Track status information to be transmitted in addition to the information available in data item I062/080 (Track Status).

Extended

**STS/FDR - Flight Data Retained**

Element
bit size: 1
Values:

**0:** Flight plan data from active FDPS
**1:** Flight plan data retained from no longer active FDPS

Spare bits: 6
*(FX) - extension bit*