

Asterix expansion 062 - Coding rules for Reserved Expansion Field

category: 062

edition: 1.2

date: 2011-06-01

Description of asterix expansion

Compound item (fspec=8 bits)

I062/CST - *Contributing Sensors With Local Tracknumbers*

Repetitive item, repetition factor 8 bits.

I062/CST/SAC - *System Area Code*

- 8 bits [.]
- raw value

I062/CST/SIC - *System Identification Code*

- 8 bits [.]
- raw value

I062/CST/(spare)

- 4 bits [. . . .]

I062/CST/TYP

- 4 bits [. . . .]
- 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

I062/CST/LTN - *Local Track Number*

- 16 bits [.]
- raw value

I062/CSN - *Contributing Sensors No Local Tracknumbers*

Repetitive item, repetition factor 8 bits.

I062/CSN/SAC - *System Area Code*

- 8 bits [.]

- raw value

I062/CSN/SIC - *System Identification Code*

- 8 bits [.]
- raw value

I062/CSN/(spare)

- 4 bits [. . . .]

I062/CSN/TYP

- 4 bits [. . . .]
- 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

I062/TVS - *Calculated Track Velocity Relative to System Reference Point*

I062/TVS/VX

- 16 bits [.]
- signed quantity
- unit: "m/s"
- $LSB = 1/2^2 \text{ m/s} \approx 0.25 \text{ m/s}$
- value $\geq -8192 \text{ m/s}$
- value $\leq 32767/4 \text{ m/s}$

I062/TVS/VY

- 16 bits [.]
- signed quantity
- unit: "m/s"
- $LSB = 1/2^2 \text{ m/s} \approx 0.25 \text{ m/s}$
- value $\geq -8192 \text{ m/s}$
- value $\leq 32767/4 \text{ m/s}$

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

I062/STS - *Supplementary Track Status*

Extended item.

I062/STS/FDR - *Flight Data Retained*

- 1 bit [.]
- values:
 - 0: Flight plan data from active FDPS
 - 1: Flight plan data retained from no longer active FDPS

I062/STS/(spare)

- 6 bits [.]

(FX)

- extension bit
 - 0: End of data item
 - 1: Extension into next extent