

\*\*\* RESERVED  
P = 6 PARITY BITS  
t = 2 NON INFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)  
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

Figure 20-1. Data Format (sheet 1 of 11)

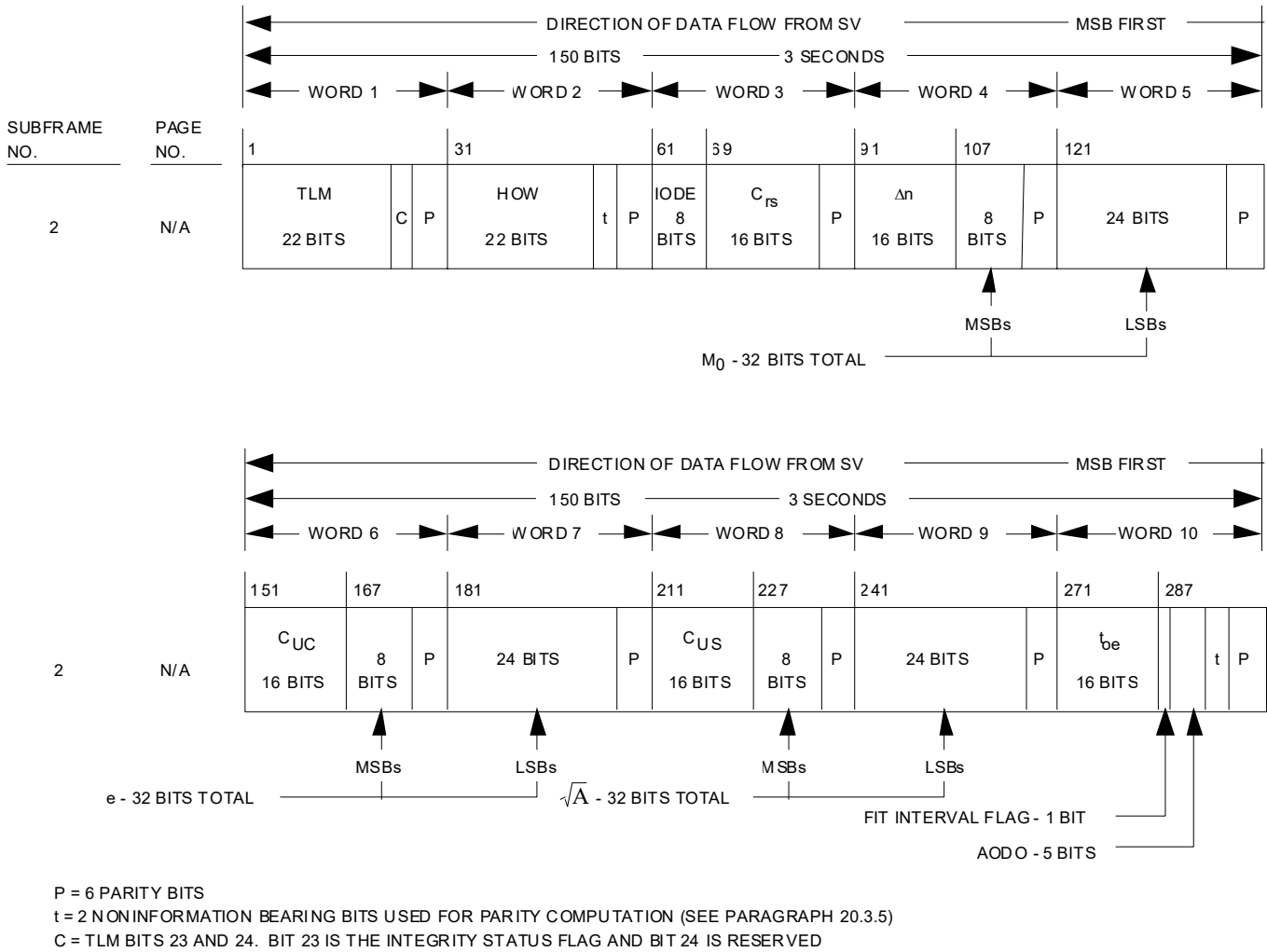


Figure 20-1. Data Format (sheet 2 of 11)

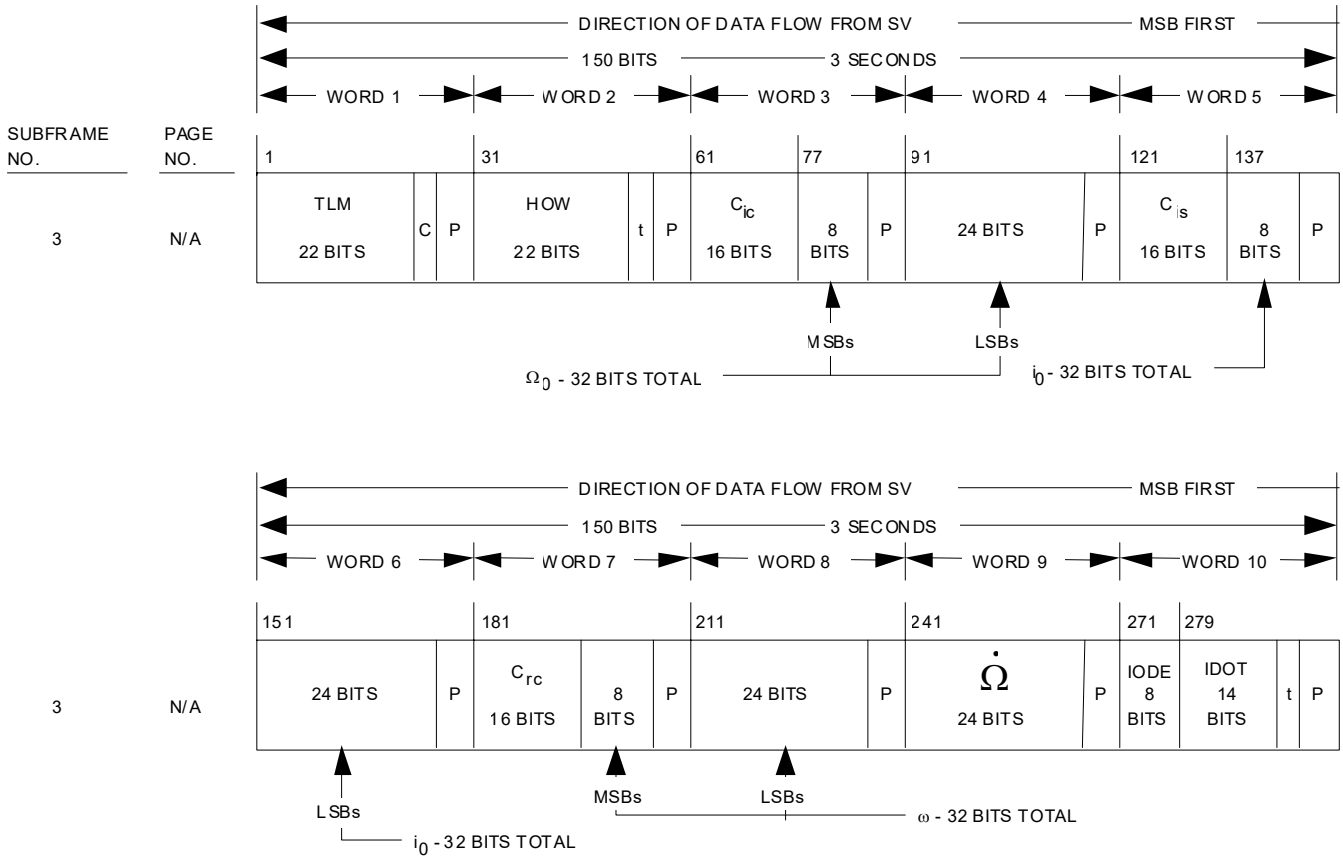
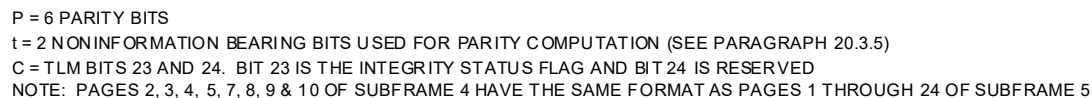
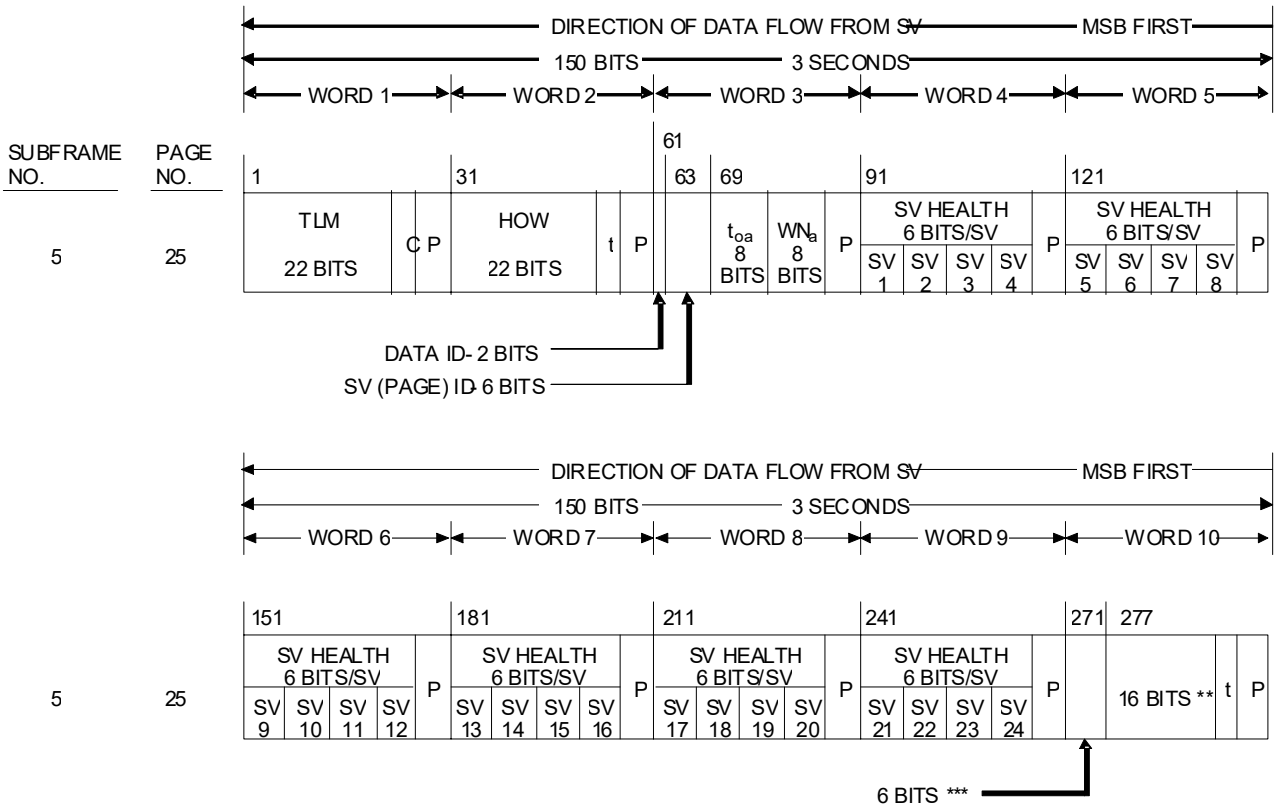


Figure 20-1. Data Format (sheet 3 of 11)



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\*\* RESERVED FOR SYSTEM USE

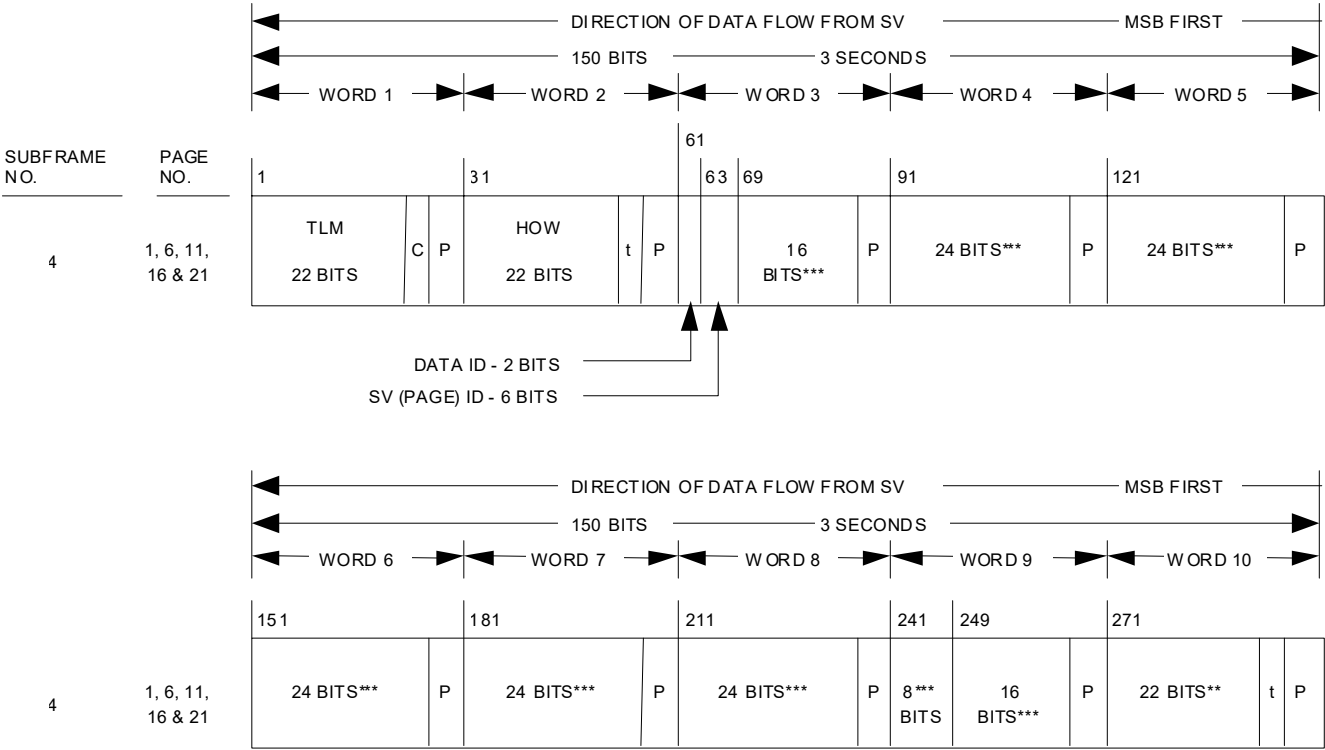
\*\*\* RESERVED

P = 6 PARITY BITS

t = 2 NONINFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)

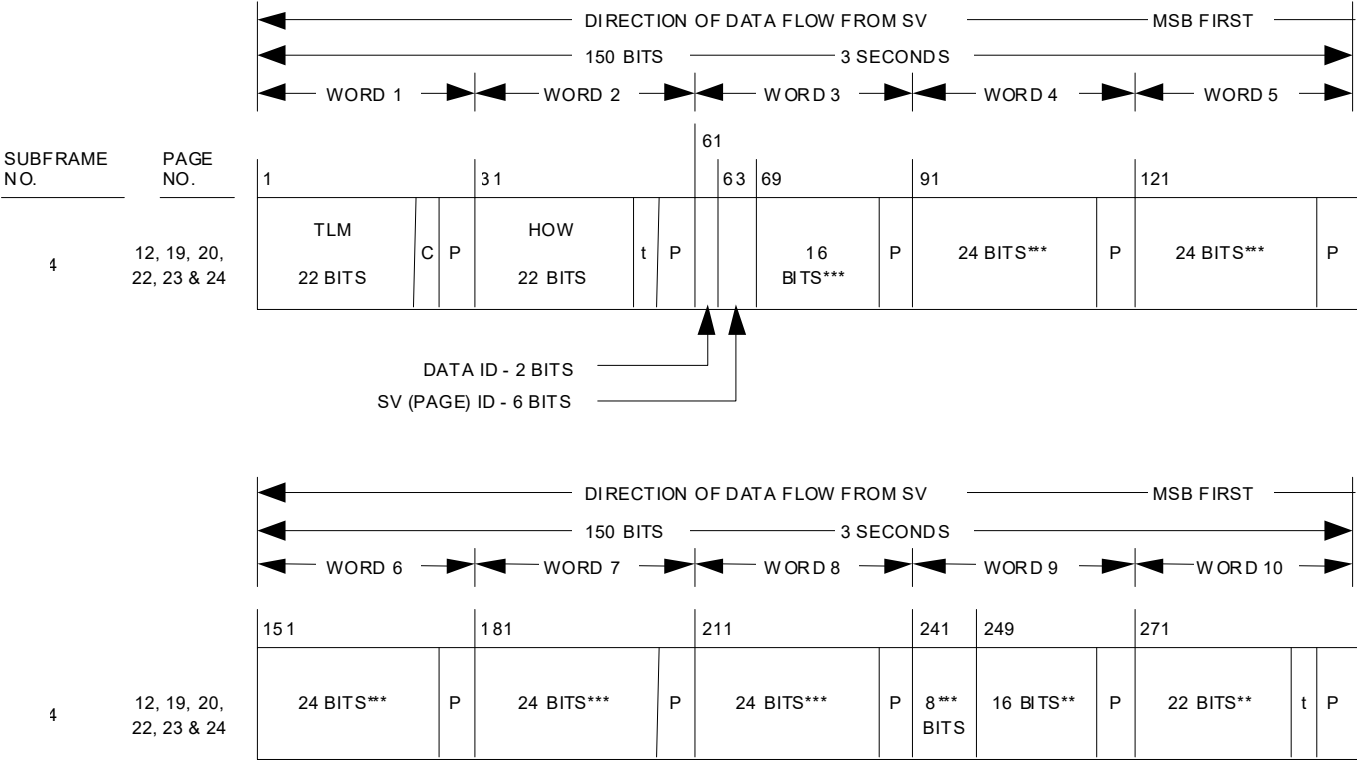
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

Figure 20-1. Data Format (sheet 5 of 11)



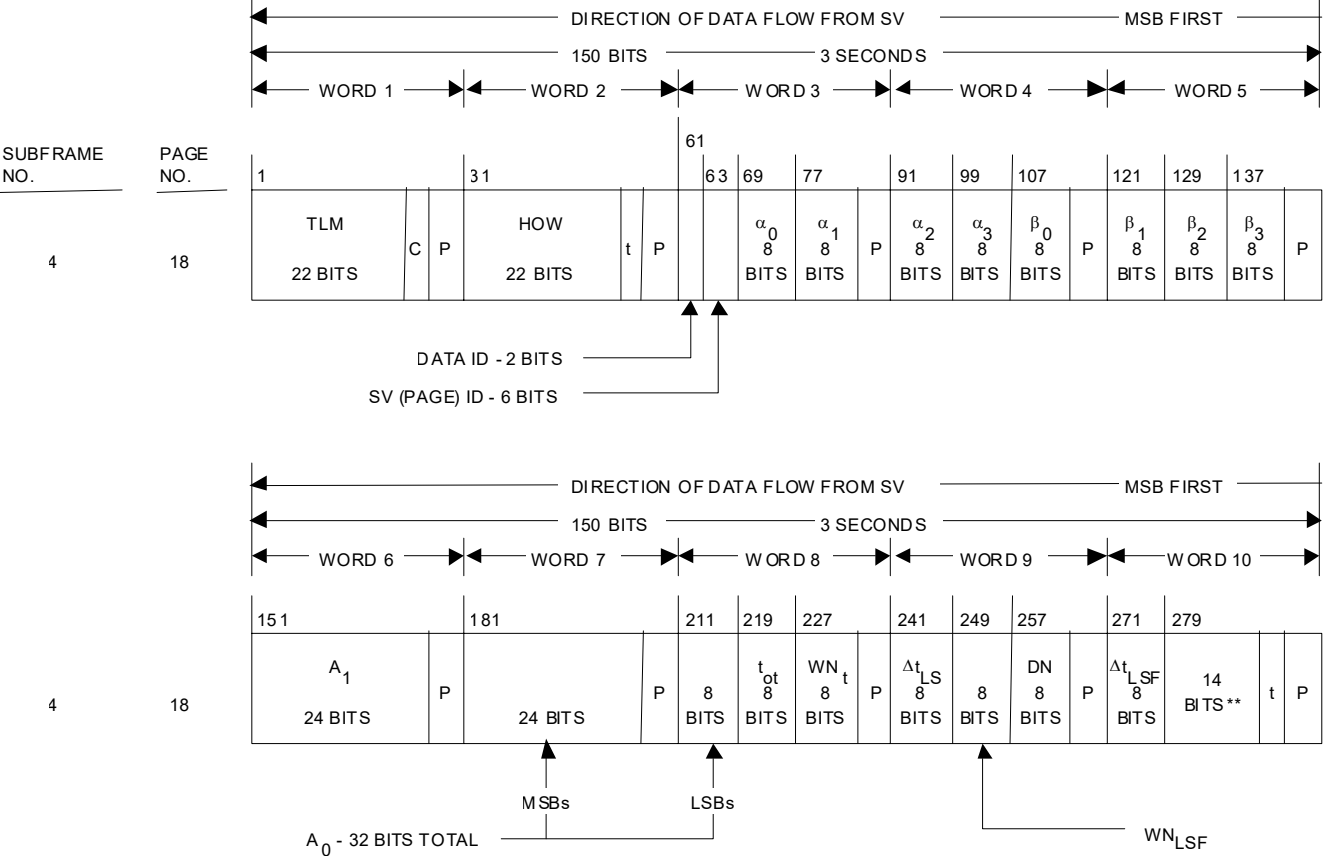
\*\* RESERVED FOR SYSTEM USE  
\*\*\* RESERVED  
P = 6 PARITY BITS  
t = 2 NONINFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)  
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

Figure 20-1. Data Format (sheet 6 of 11)



\*\* RESERVED FOR SYSTEM USE  
\*\*\* RESERVED  
P = 6 PARITY BITS  
t = 2 NONINFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)  
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

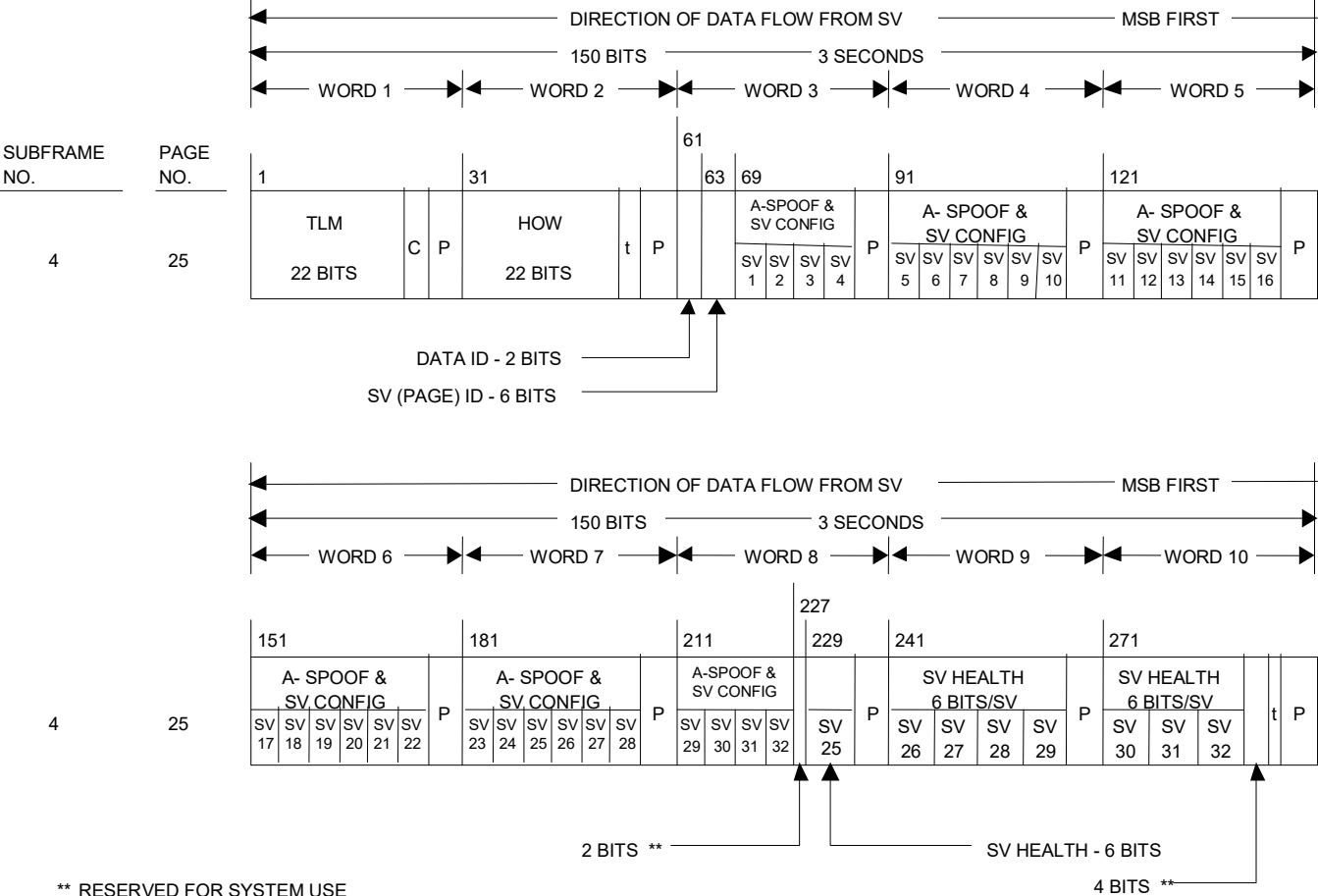
Figure 20-1. Data Format (sheet 7 of 11)



\*\* RESERVED FOR SYSTEM USE  
P = 6 PARITY BITS  
t = 2 NON INFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)  
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

Figure 20-1. Data Format (sheet 8 of 11)

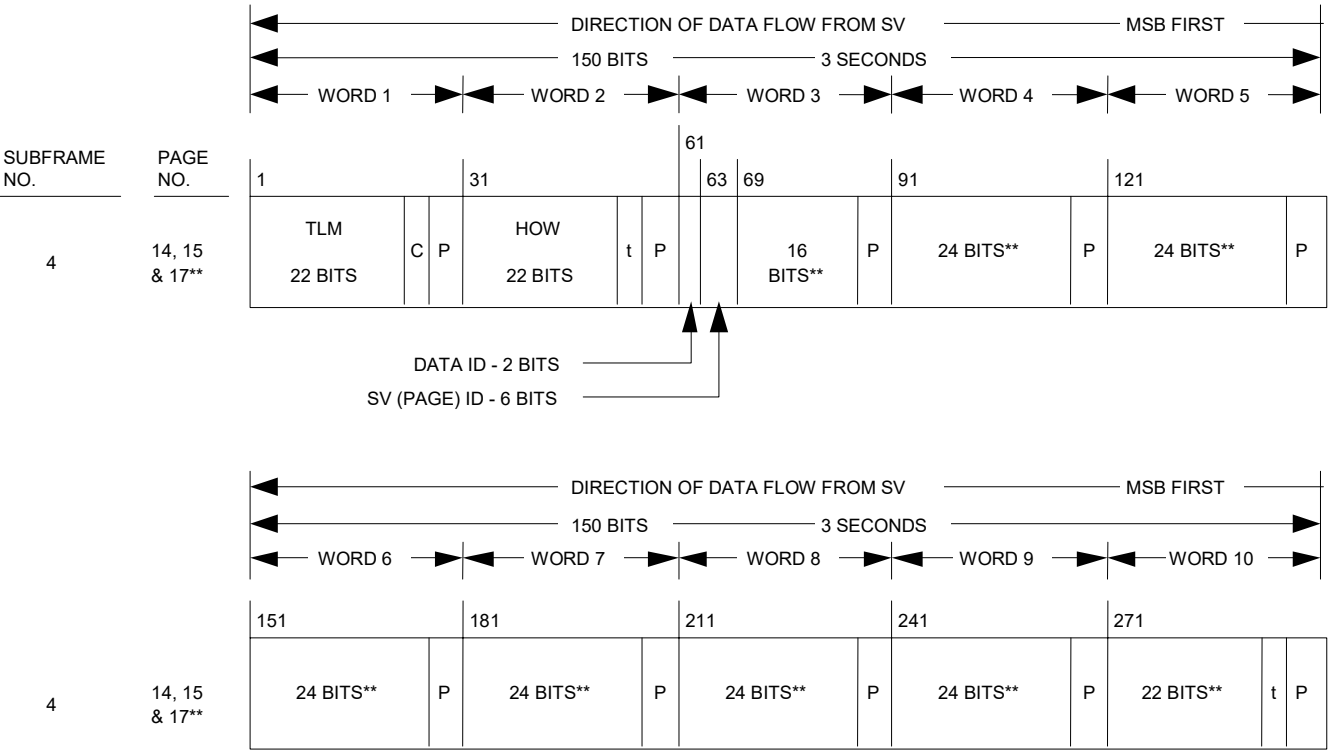




\*\* RESERVED FOR SYSTEM USE  
P = 6 PARITY BITS  
t = 2 NONINFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)  
C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

Figure 20-1. Data Format (sheet 9 of 11)





\*\* THE INDICATED PORTIONS OF WORDS 3 THROUGH 10 OF PAGES 14 AND 15 ARE RESERVED FOR SYSTEM USE, WHILE THOSE OF PAGE 17 ARE RESERVED FOR SPECIAL MESSAGES PER PARAGRAPH 20.3.3.5.1.8

P = 6 PARITY BITS

t = 2 NONINFORMATION BEARING BITS USED FOR PARITY COMPUTATION (SEE PARAGRAPH 20.3.5)

C = TLM BITS 23 AND 24. BIT 23 IS THE INTEGRITY STATUS FLAG AND BIT 24 IS RESERVED

**Figure 20-1. Data Format (sheet 11 of 11)**

Bits 20, 21, and 22 of the HOW provide the ID of the subframe in which that particular HOW is the second word; the ID code shall be as follows:

| Subframe | ID Code |
|----------|---------|
| Invalid  | 000     |
| 1        | 001     |
| 2        | 010     |
| 3        | 011     |
| 4        | 100     |
| 5        | 101     |
| Invalid  | 110     |
| Invalid  | 111     |

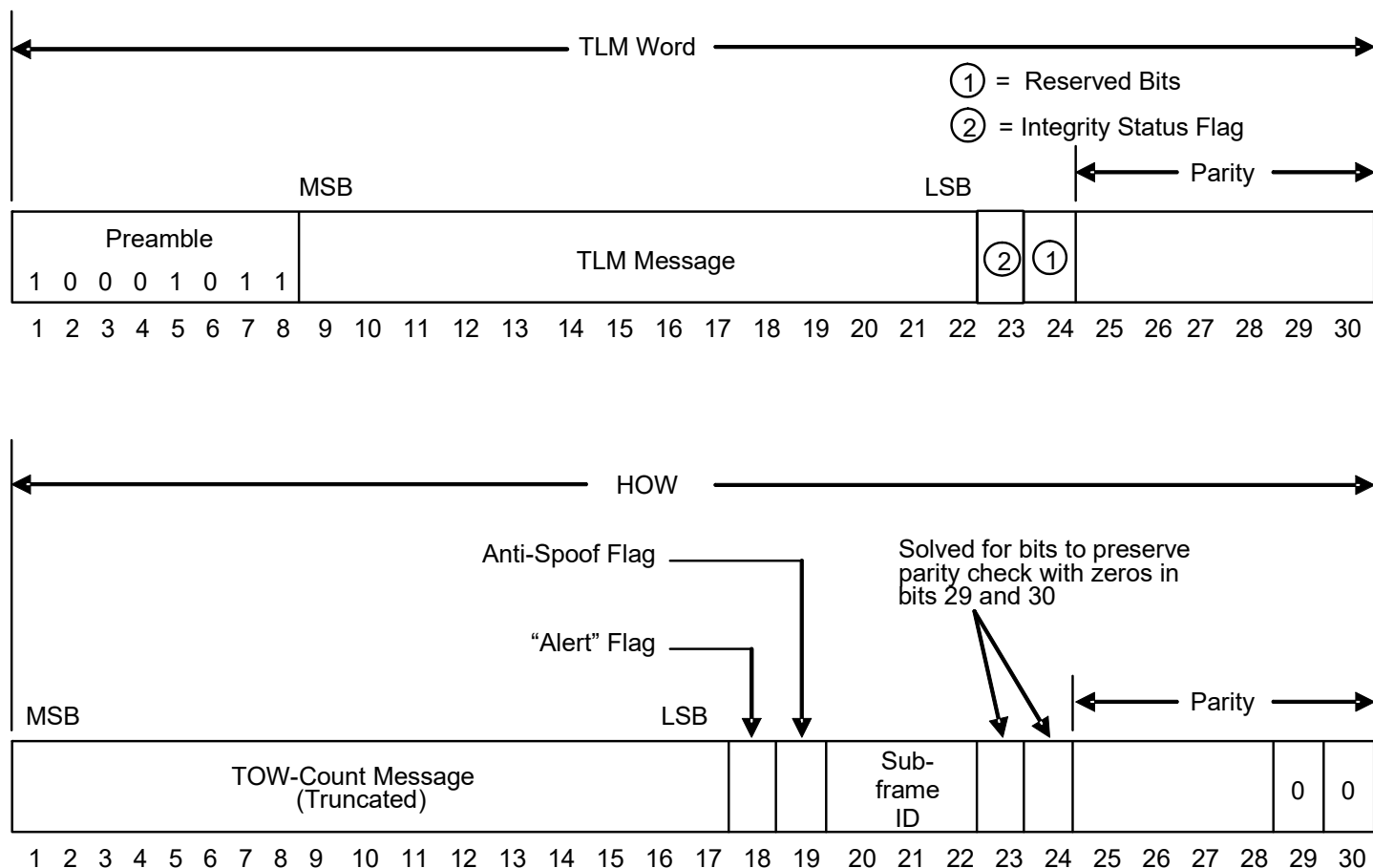


Figure 20-2. TLM and HOW Formats

### **20.3.3.3 Subframe 1.**

The content of words three through ten of subframe 1 are defined below, followed by related algorithms and material pertinent to use of the data.

#### **20.3.3.3.1 Subframe 1 Content.**

The third through tenth words of subframe 1 shall each contain six parity bits as their LSBs; in addition, two non-information bearing bits shall be provided as bits 23 and 24 of word ten for parity computation purposes. The remaining 190 bits of words three through ten shall contain the clock parameters and other data described in the following.

The clock parameters describe the SV time scale during the period of validity. The parameters are applicable during the time in which they are transmitted. The timing information for subframes, pages, and CEI data sets is covered in Section 20.3.4.

##### **20.3.3.3.1.1 Transmission Week Number.**

The ten MSBs of word three shall contain the ten LSBs of the Week Number as defined in 3.3.4. These ten bits shall be a modulo 1024 binary representation of the current GPS week number at the start of the CEI data set transmission interval (see paragraph 3.3.4(b)). The GPS week number increments at each end/start of week epoch. For Block II SVs in long-term extended operations, beginning approximately 28 days after upload, the transmission week number may not correspond to the actual GPS week number due to curve fit intervals that cross week boundaries.

##### **20.3.3.3.1.2 Code(s) on L2 Channel.**

Bits 11 and 12 of word three shall indicate which code(s) is (are) commanded ON for the in-phase component of the L2 channel, as follows:

00 = Invalid,

01 = P-code ON,

10 = C/A-code ON,

11= Invalid

These bits provide no indication of which code(s), if any, may be commanded ON for the quadrature component of the L2 channel.