

**ARINC429 Data Format:**

The ARINC serial data is shuffled and formatted into two 16 bit words (WORD1 and WORD2) used by the bi-directional data bus interface. Figure 1 shows the mapping between the 32 bit ARINC serial data and the two data words. Figure 2 describes the mapping for the 25 bit serial word used when control register bit WLSEL is set to logic “1”.

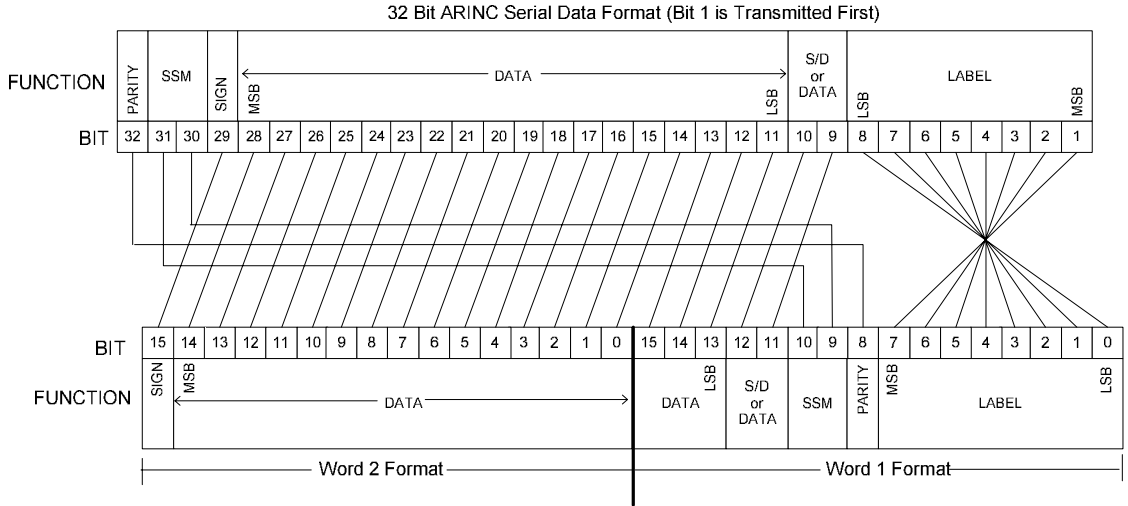


Figure 1: Mapping of Serial Data to/from Word 1 and Word 2 in 32 bit format.

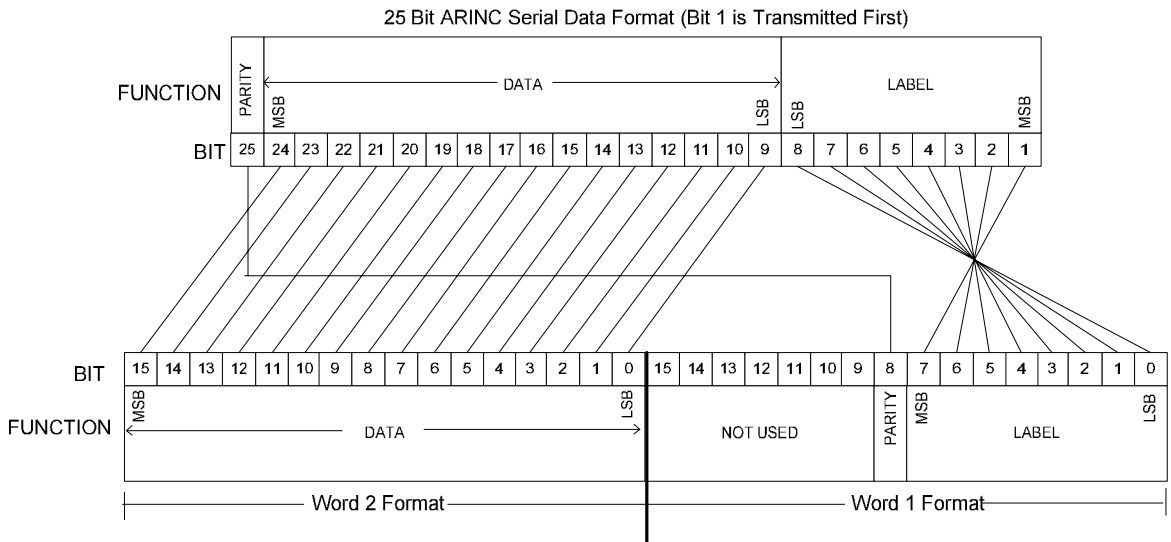


Figure 2: Mapping of Serial Data to/from Word 1 and Word 2 in 25 bit format.

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