

9.0 SOFTWARE INTERFACES

9.0.1 Payload Definition

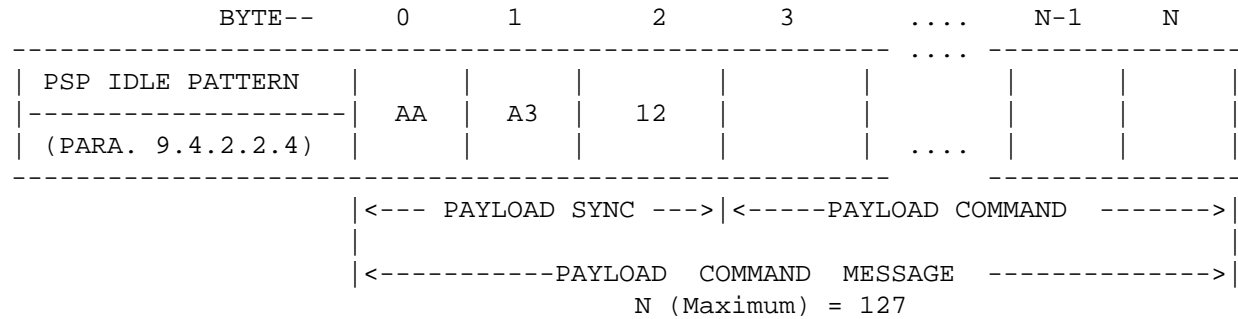
9.0.1.1 Shuttle Orbiter/Payload Software Functional Interfaces

The Shuttle Orbiter/Cargo Element software functional interface shall be as shown in Figure 9.0.1.1-1.

9.0.1.2 (Reserved)

9.0.1.3 Payload Communications

The Payload Signal Processor command message shall be formatted as follows:



The payload command message shall be preceded by an idle pattern supplied by the Orbiter's PSP. The payload command message shall consist of up to a maximum length of 128 8-bit bytes. The payload command message bytes shall be defined as follows:

Bytes 0-2	AA A3 12 (sync pattern in HEX)
Bytes 3-N	Payload commands (N is an odd integer between 4 and 128)

9.0.2 (Reserved)

9.0.3 (Reserved)

9.0.4 (Reserved)

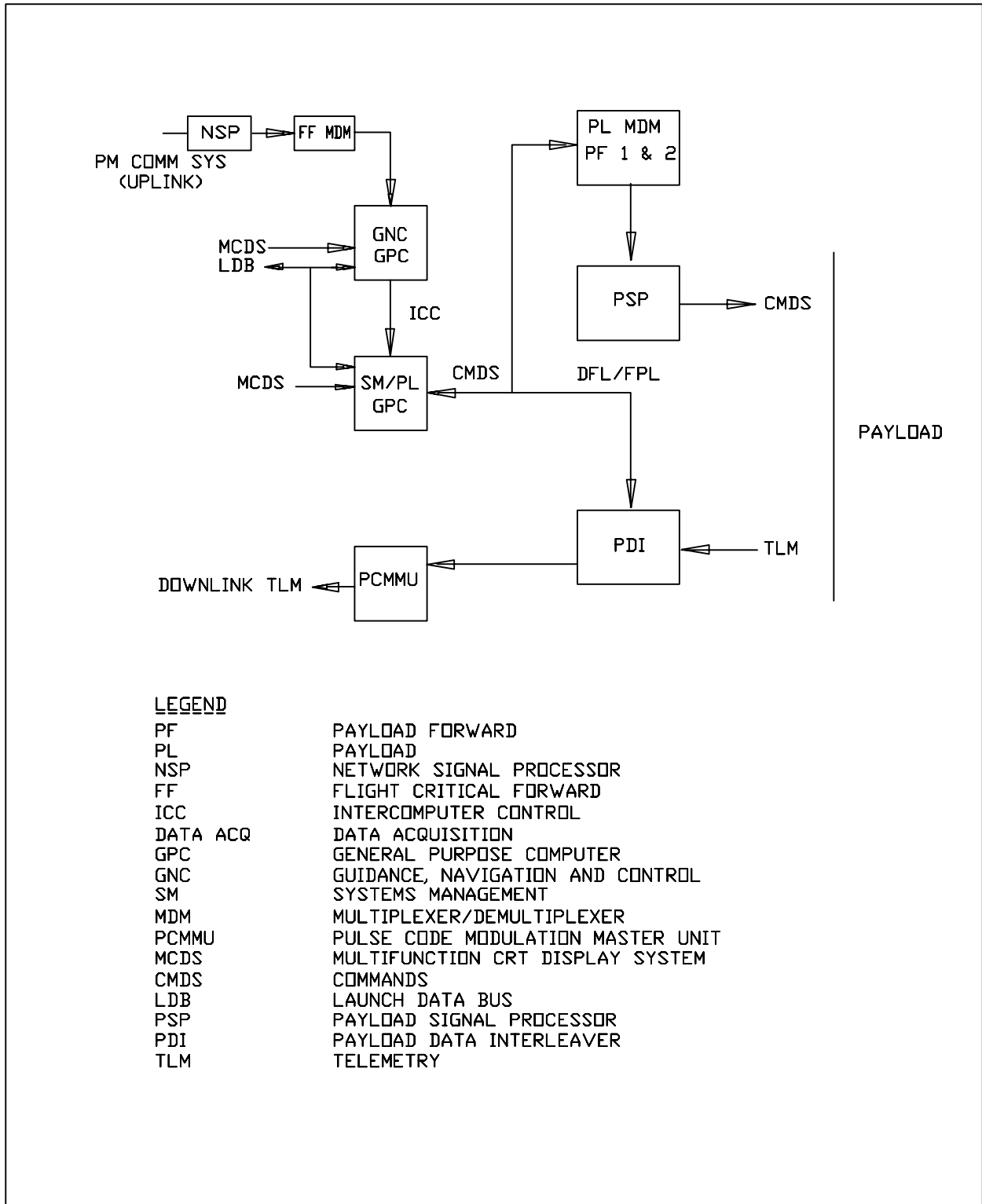


FIGURE 9.0.1.1-1 PAYLOAD-TO-ORBITER SOFTWARE FUNCTIONAL DIAGRAM

THIS PAGE INTENTIONALLY LEFT BLANK