### 3.5 System internal data requirements.

*Requirements on data internal to the system such as databases, data files etc. shall be stated. If there are internal interfaces left to the design or to system requirement specifications for components these shall be identified.*

* UR-5: **Threats** shall be transmitted to the aircraft mission computer in **body frame format** (relative to aircraft) for displaying purposes. Threats and body frame format should be clarified.
* UR-6: The system shall provide the aircraft mission computer with **status information** and built-in **test results**. This needs further clarification.
* UR-7: Regarding interfacing with the **aircraft intercom**, an **interface** **description** must be provided.
  + **Warnings and audio** cues must be defined.
* UR-10: The system status on individual **LRU** level shall be provided by cockpit unit, what is an LRU?
* The cockpit unit will need access to the data described above. This is to be discussed with the customer.
* The data includes aircraft attitude, heading, altitude and GPS data; **how much data is it**? The amount of data must be transferable within the latency demands given the capacity of the MIL-STD-1553-B dataBUS.
  + MIL-STD-1553-B bus data rate is 1 Mbit/sek. This should be enough.[[1]](#footnote-1)
* The MWS must receive data from the mission computer with a **minimum latency**. The acceptable latency must be defined.

### 3.6 Adaptation requirements.

*Requirements on installation-dependent data and operational parameters that the system requires.*

* UR-3: The system may not compromise the operation of the current weapon systems. **Which constraints are related to this demand?** **Spacial requirements.**

### 3.7 Safety requirements.

*System requirements concerning minimizing unintended hazards to personnel, property and the physical environment.*

* UR-8: Which condition should **activate the hardware interlock** to prevent ground dispensing? Wheels on the **ground** or a certain **altitude**?

### 3.8 Security and privacy requirements.

*This paragraph shall specify the system requirements, if any, concerned with the maintaining security and privacy.*

* UR-9: The system shall be able to erase **sensitive** data upon a zeroize signal from the aircraft, this needs some clarification? Maybe there is a standard way of doing this, and what is sensitive data.
  + Where does the signal originate from?
  + Which system unit shall receive the signal?
* What are the storage requirements for the magasines with payload? **Temperature / humidity / best before**

### General notes

* UR-21 an **intelligent** pattern, must be clarified
* UR-22 The system shall provide **optimal** coverage, must be clarified.
* UR-14&15 Regarding the operation modes, **intelligent** is used to describe semi-automatic and automatic. This must be clarified.
* The ECU provides threat information in inertial format. This should be converted to body-frame format before being transmitted to the aircraft mission computer.

1. wiki [↑](#footnote-ref-1)