Requirements trace to SRS Missile Warning System ver A.pdf		
Pod Req		**SRS Req**
UFR-1	The pod shall have Three compartments for dispenser magazines.	SR-33
UFR-2	The pod shall have one compartment for two magazines facing forward. $\Psi = 15^o$ $\phi = 15^o$ $\theta = 15^o$. Se figure 1.	SR-34; SR-35; SR-36
UFR-3	The pod shall have one compartment for four magazines facing sideward. $\Psi = 90^o$ $\phi = 15^o$. Se figure 1.	SR-37; SR-38; SR-39
UFR-4	The pod shall have one compartment for two magazines facing downwards. $\phi = 90^o$ $\theta = 90^o$. Se figure 1.	SR-40; SR-41
UFR-5	The dimensions of the pod shall comply to the standard FP42f	SR-42
UFR-6	All electrical connections shall be accessible from the outside to ease the attachment of the pod to the aircraft and for testing on ground when not attached.	Special for this doc.
UFR-7	If active cooling or other power consuming entities other than the contractor supplied MWS and DDSs are required, the total power consumption of these shall not exceed 300W at 115VAC 400Hz.	Special for this doc.
UFR-8	The POD shall comply with all F-16 requirements for aerodynamics and radar reflections as specified by the F-16 POD standard *FP42f*.	SR-42
UFR-9	The ECU shall perform the built in test that is supported by this Government Furnished Equipment (*GFE*).	SR-44
UFR-10	The ECU shall report the status information available for this Government Furnished Equipment (*GFE*).	SR-45
UFR-11	The POD shall supply the status of the following LRUs: • The Sensors • The ECU INFO: The Magazines and DSS are not seen as LRUs and also do not have status reporting capabilities. INFO: It is assumed that the ECU has the ability to deliver this information.	SR-46
UFR-12	The status reported by the POD as a whole shall be: 1. POD internal temperature 2. ECU operational status (OK, ERROR) INFO: It is assumed that the ECU has the ability to deliver this information. INFO: It is assumed that the ECU has a temperature sensor inside the POD and is able to deliver its reading on the data bus.	SR-47
PR-1	The pod structure shall be without any failures after being exposed to a steady state acceleration of 5g fore.	SR-70
PR-2	The pod structure shall be without any failures after being exposed to a steady state acceleration of 2.5g aft.	Sr-71
PR-3	The pod structure shall be without any failures after being exposed to a steady state acceleration of 25g up.	SR-72
PR-4	The pod structure shall be without any failures after being exposed to a steady state acceleration of 11g down.	SR-73
PR-5	The six sensors shall be located to cover all angles which are not shaded by the aircraft. (See Ref-2)	SR-86
ER-1	The pod structure shall be operational at temperatures of 95°C on the outer skin and 102°C on the leading edge for 25 minutes.	SR-67
ER-2	The pod structure shall be operational at temperatures of 134°C on the outer	SR-68

	skin and 151˚C on the leading edge for 3 minutes.	
ER-3	The system shall be able to keep the MWS inside the pod below 70^{o} C.	SR-69
IR-1	The attachment to the aircraft shall comply to standard PM11b.	SR-76
IR-2	The pod shall provide a EPC17d connector for 115VAC/400Hz power.	SR-83
IR-3	The pod shall provide a EDC29b connector for the data connection.	SR-58
IR-4	The pod shall provide a EDWC7f connector for discrete wires.	3.4.1 Interface B
IR-5	The dispenser magazine compartments shall interface to the magazines according to standard DM30p.	SR-78
IR-7	Power consumption of the pod shall not exceed 700W.	SR-82
IR-9	The system shall be able to supply the GEF (MWS) with maximum 85W from a 28VDC power source and a maximum of 100W from an 115VAC 400Hz power source.	SR-84
SR-1	The POD shall include a safety pin that prevents the dispenser from firing.	SR-61
SR-2	The POD safety pin shall be clearly labelled and accessible by aircraft maintenance crew as specified by the aircraft maintenance manual AMM32f.	SR-62
WR-1	The weight of POD structure shall not exceed 175 kg.	Terma case.pdf
WR-2	The POD shall be able to support an 18.2kg MWS	SR-75
WR-3	The weight of the harness shall not exceed 20 kg.	Terma case.pdf
MR-1	The pod shall be mounted on the aircraft wing with standard T-hooks spaced by 13 inches.	SR-76
MR-2	The pod shall be mounted on the left-hand wing.	SR-77
MR-3	The POD shall support standard NATO dispenser magazines type DM30p.	SR-78