**MWS Pod**

**Statement of work**

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**History**

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**References**

|  |  |  |
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| Ref-1 | Therma case.pdf | 1 |

**Abbreviations**

|  |  |
| --- | --- |
| UR | User Requirement |
| SOW | Statement of work |
| UFR | User Functional REQ |
| UPR | User Performance REQ |
| UIR | User Interface REQ |
| UER | User Environment REQ |

# Scope

## Identification

The system to which this document applies is a pod that can be attached to the F-16 combat aircraft.

The pod has eight compartments for chaff/flares magazines. It houses an electronic control unit. It has suspensions for power/data cables, connectors and six sensor units.

The system is able to keep the temperature inside the pod below 70 degree Celsius.

The pod structure and attachments will be exposed to high g-forces and high temperatures especially on the front part.

## System overview

The pod is part of a self protection suite for the F-16 combat aircraft. The system is made up of subsystems which are:

* An intelligent cockpit control unit.
* A missile warning system (MWS) consisting of six sensor and an electronic control unit.
* A pod which incorporates eight magazines, six sensors and housing the MWS.

## Document overview

# Requirements

## Functional requirements

|  |  |
| --- | --- |
| UFR-1 | The weight of the pod shall not exceed 175 Kg. |
| UFR-2 | The pod shall have eight dispensers. |
| UFR-3 | The pod shall dispense forward, sideward and downwards. |

## Performance requirements

## Environment requirements

## Interface requirements