

MSIAC has developed a new software tool designed to assist a Safety Advisor in providing the right references and information to enable a comprehensive testability plan to be developed. This program has replaced THAMES.



The key requirement is the envisaged life cycle which can be developed by the completion of

### Annex A to AOP15

When this questionnaire has been completed the SAS user can input a life cycle and fill in those requirements to allow a comprehensive list of documents to be generated which can be broken down into the various life phases.



### SAS PROGRAM

The SAS Program allows the comprehensive history of National and Operational testing documents.

### Built in Help files

SAS has a tool in help file which covers all the main user requirements.



Fragment Impact Trial



Do we need to know that munitions will be safe and suitable in the cold?

Do we want to store our munitions in temporary locations, prepared to the elements?



### Life Cycle Development Tool



### Document Tree Output (with link to Reference Document).



### SAS Benefits

- Life Cycle representation
- Threat Hazard representation
- Test Requirement Gap Analysis
- An up to date Library of Associated Test Documents
- A common approach to testing requirements.
- Industry could develop its own testing requirements and arrive at a position where professional testing analysis can take place.

### Ease of Use

The Life Cycle can be generated by easy selection of Storage, Transport and Operational Modules which then have to be populated with Risk/Threat Modules.

The test documents will be determined by selecting a range of criteria including:

- Platform
- Munition Type
- Storage Environment
- Life
- Operational Environment
- Threats
- Packaging
- Phase



### OUTPUT

The output of SAS is primarily a list of relevant documents from a specified phase or source that form the basis of the test specifications. These documents can be used to help generate a testing specification for the contractor to quote against. Sequential testing and numbers required are not directly addressed by SAS but may appear in the source documentation, i.e. STANAG 424 for Shells above 40mm.



### The Beta version has been issued

MSIAC has coordinated the comments to date and is undertaking a small improvement package to make the program easier to use and easier to maintain.

### It is Free

Like all MSIAC products the SAS tool is free to MSIAC members and may be made available to Industry via the National Focal Point Officer. For details see [www.nato.int/related/MSIAC](http://www.nato.int/related/MSIAC)

