

Mekon eclipse™ Crew

Mekon have created Eclipse Crew to meet the demanding requirements of editing and publishing:

Aircrew Manuals

Operating Data Manuals

Flight Reference Cards

Mekon have worked at length with Handling Squadron, the Royal Air Force's centre of aircrew expertise, drawing on their years of experience. Eclipse Crew can save up to 80% of the time taken compared to using other generic publishing tools. It has many unique features to aid in the preparation of Aircrew Publications for all aircraft types, both fixed wing and rotary, from training, to fast jet to transport.



FEATURES

- Multiple templates for book and reference card type publications for varied operating environments
- Multi-chapter and multi-part publications with annexes and supplements
- On-the-fly generation of algorithms (flow diagrams) and captions
- Automatic generation of coloured, indexed or annotated tabs
- Embedded document management (change marking, amendment annotation)

Eclipse Crew allows different approaches to managing crew information:

- Structured authoring of the full publication using the tools and templates of Eclipse Crew
- Creation and final Desk Top Publishing of a publication built from a set of S1000D data modules source files

S1000D Publication Builder

Eclipse Crew enables direct transformation of S1000D Crew Descriptive data modules. Transformation currently supports Change 6, Change 8, Change 8.1 and Issue 2.2 of S1000D. The transformation allows the concatenation of multiple data modules into a structured (parts and chapters) book, provides full 'front matter' and index building, translates cross-references and supports version information with change marking.

Building on Standards

We currently support ;

- JSP(D) 543
- Saudi Mil-Spec

The UK MOD's specification for Aircrew Publications is currently defined in JSP(D)543. This requirement was written in great detail by Handling Squadron, distilling years of knowledge of production of aircrew information into a standard giving the very best, 'best practice.'

Eclipse Crew's formatted output meets JSP(D)543 requirements whilst the document structure and authoring guide ensures compliance with this standard. Eclipse Crew is the only commercially available application to fully meet JSP(D)543 for Aircrew Publications.

Alternatively, where your company or client has specific output requirements, we are able to fully customise the templates and style sheets to match.

Eclipse Crew now have support for both the publication of Saudi Mil-Spec publications for both Typhoon and Tornado i.e. Flight Manuals, Weapons manuals.

Aircrew and Operating Data Manuals

Eclipse Crew allows the publication of high quality manuals across a range of page sizes: A5 portrait with or without A4 foldouts, A4 portrait with or without A3 foldouts, A4 landscape and A4 calendar. Layout is usually twin column as this format has proven easiest to read in operating environments. Figures, tables and checklists can span both columns when required.

Eclipse Crew automates:

- Front matter layout
- List of Effective Pages
- List of acronyms / modifications
- Tables of contents and illustrations
- Part, chapter, paragraph, figure, table and page numbering
- Change marking
- Cross reference creation and tracking across multiple part documents

For new or changed information, 'Advanced Information Leaflets' can be created. As well as building the different front matter, Eclipse Crew offers the highlighting of pages in blue and automatic generation of standard information and instructions.

Flight Reference Cards

Eclipse Crew is the industry leading solution for the publication of Flight Reference Cards. The Cards present a series of instructions and actions to the aircrew to be performed before, during and after flight and during emergency situations.

It is vital to flight safety that the Cards are clear, concise and straightforward to use. Eclipse Crew offers multiple card sizes to suit the size of cockpit and type of crew operation.

Algorithms

Where instructions or procedures are complex, information can often be better understood when displayed as an algorithm (graphical flow chart). Eclipse Crew can automatically draw an algorithm, generating the lines and structure from a set of logical statements. Algorithms can have multiple branches (decision points) and span multiple pages.

Thumb Tabs

Thumb tabs provide the quickest method of finding required drills and information within the Flight Reference Cards. Traditionally, the author has had to manually create thumb tabs, often requiring complex manipulation of the publishing software. Now, Eclipse Crew automates this difficult task, generating left or right tabs, adding colour coding, text annotations generated from the content or index numbers. Eclipse Crew also gives the author multiple tab position controls for height and spacing as well as skipping or restarting numbering for groups of cards.

Attention Captions

Aircraft alerts and warnings are usually displayed to the aircrew as captions, often in a centralized panel. It aids the crew enormously to provide the same caption image in the drills, promoting visual recognition and enhancing flight safety. Captions used to have to be generated as separate graphic files then added by the author. Eclipse Crew allows the generation of captions on the fly including text and caption colour and caption size. Production is faster and simpler, without the need to manage multiple external files.

Text Compression

Layout of the drills is all important in helping the crew to navigate and successfully complete drills. Eclipse Crew allows the author to compress the leading space within drills, to ensure that card breaks do not interrupt the flow or cause drill lines to be missed. The compression is highlighted on the page to aid the author in preparing the finished publication.

