

Mach1 Compliance from Koala Publishing UK, is cutting-edge software which radically streamlines the process of generating and maintaining regulations and rules compliance records and Checklists.

Based on internationally accepted open standards, **Mach1 Compliance** cuts the manual effort dramatically. It's for any rules-based solution including many aerospace standards, such as IOSA and ISAGO.

Mach1 Compliance enables managers to dedicate more time to the prime responsibilities of governance

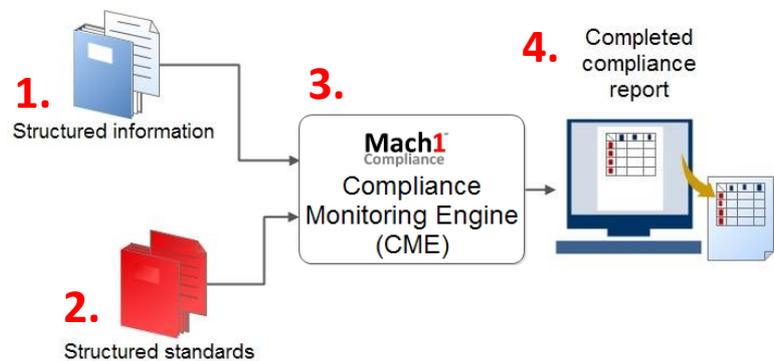
and management and reduces administrative tasks. Your key people are not 'sidetracked' and can allot more time to earning revenue rather than generating cost.



Additional benefits include improved quality and accuracy. The chances of errors are dramatically reduced - as is the thankless task of checking for accuracy.

How it works

Mach1 Compliance systems have four components as shown here:



1. Your documentation is converted to an XML format called DITA, an international open standard, and stored in a structured DITA repository. If your documentation isn't in XML, Koala's Apogee service cuts this task right down to size.

2. Similarly, each standard you want to demonstrate compliance with is also included in the DITA repository. From this, you simply point and click to link each rule in the standards to the part(s) of your documentation that provide compliance.

3. The **Mach1 Compliance** Monitoring Engine (CME) maintains and updates all the context references automatically. So, unlike using a spreadsheet, where you have to do this manually, this is done for you by the system.

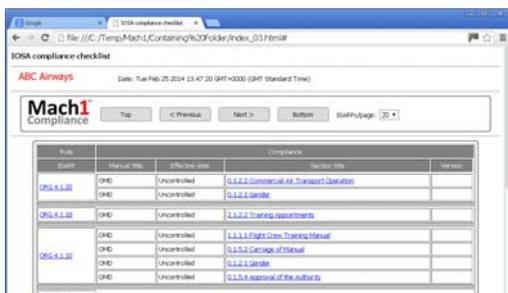
4. **Mach1 Compliance** generates report checklists in the form of HTML pages or spreadsheets. These have inbuilt hyperlinks to display the relevant rule and compliance text.

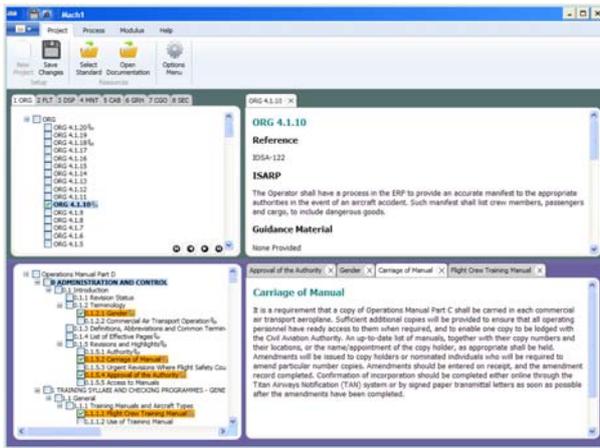
ISARP	ManualTitle	EffectiveDate	SectionTitle	Version
ORG 4.1.20	OMD	Uncontrolled	0.1.2.2 Commercial Air Transport Operation	Uncontrolled
ORG 4.1.20	OMD	Uncontrolled	0.1.2.1 Gender	Uncontrolled
ORG 4.1.18	OMD	Uncontrolled	2.1.2.2 Training Appointments	Uncontrolled
ORG 4.1.10	OMD	Uncontrolled	1.1.1.1 Flight Crew Training Manual	Uncontrolled
ORG 4.1.10	OMD	Uncontrolled	0.1.5.2 Carriage of Manual	Uncontrolled
ORG 4.1.10	OMD	Uncontrolled	0.1.2.1 Gender	Uncontrolled
ORG 4.1.10	OMD	Uncontrolled	0.1.5.4 Approval of the Authority	Uncontrolled

An example section of the spreadsheet layout is shown left. Each rules may have more than one row where it is related to more than one part of your documentation.

The spreadsheet workbook is divided into a number of worksheets representing the standard's main sections.

The HTML Report has a similar layout to the spreadsheet and is viewable in most standard browsers.





The main **Mach1 Compliance** display is shown above. The top two panels relate to **standards rules**. The tree display on the left of the screen is a list of rules. Clicking on a rule in the tree diagram opens the description of that rule in the top right panel.

The bottom two panels relate to **your documentation**. The tree display on the left is a list of DITA topics in your publication. Clicking on a particular topic will cause the contents of that topic to be displayed in the bottom right panel.

To make a link between a rule and a place in your documentation, you simply click on the rule in the top left panel, then click on a topic title in the bottom left panel.

When you click on a rule at the top left, in addition to displaying the rule's contents in the top right panel, the documentation that complies with that rule will be displayed at the bottom right.

If compliance is made by more than one part of the documentation, tabs will appear at the top of the right panel - one for each piece of your documentation that demonstrates compliance.

Mach1 Compliance can be closely integrated with, but is not restricted to, an XML Editor called **XMetaL** and Koala's information repository manager called **Modulux**. XMetaL's word processor-like user interface shields you from the complexities of XML and Modulux manages the XML information repository and maintains conrefs for you as well. If you can use the Windows file explorer, you can use Modulux.

Standards

'Out-of-the-box' standards which can be supplied by Koala include:

IATA IOSA 7

EASA AirOps + AMC:

DEF, ORO, CAT, SPA, NCC and NCO.

We can also convert other rules based standards to a DITA structure for use by **Mach1 Compliance**. Since compliance rules are standard DITA concepts you can even construct own compliance rules.

Would you benefit from:

- A means of establishing links between a rule and one or more areas of your documentation?
- That these links should be maintained dynamically and automatically, even when the standards and documents are changed?
- The ability to generate a Compliance Checklist report *at any time* on demand?
- The ability to view the detailed stipulations of a rule and then to view the part(s) of your documentation that demonstrate the compliance with that rule.?

Mach1 Compliance provides answers to this list of requirements and more.

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