

Introduction to

IETP

Interactive Electronic Technical Publications

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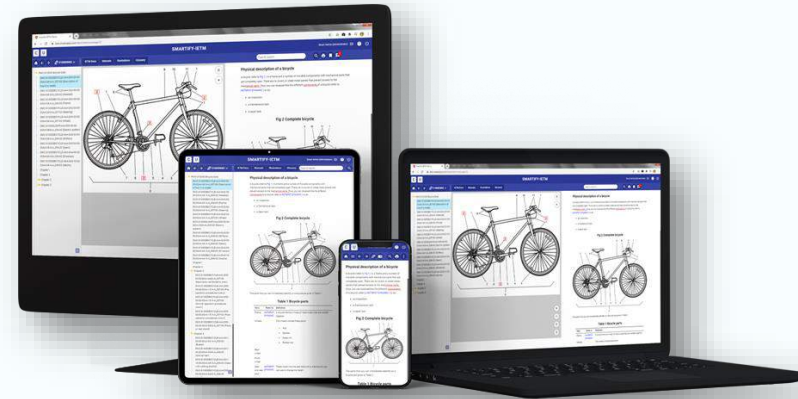


IETP

IETPs are electronic display systems of organized and formatted publications for presenting information of product description, operation and maintenance .

IETP screens are interactive with inclusion of conditional branching mechanisms based on user feedback, parameters are evaluated at runtime and their values depend on contextual and user inputs. Paper based flow charts can be converted and made interactive with S1000D Yes No schemes and Switch cases.

An S1000D IETP is built on the outlined functionality (Chapter 6.4) and presentation (Chapter 6.3) of S1000D specification v4.0.



Classes/Levels of IETP

There is no specific categorization (Classes/Levels) for IETPs. The Functionality Matrix included in each specification of S1000D Issue displays levels of complexity required for S1000D IETP Viewing tool.

Standards & Specifications followed for IETP Development and Technical Manuals integration

S1000D - INTERNATIONAL SPECIFICATION FOR THE PROCUREMENT AND PRODUCTION OF TECHNICAL PUBLICATIONS

Features/Functionalities of IETPs



Specifications of Smart IETPs

- 
- ✓ **Access**
 - ✓ **Annotation**
 - ✓ **Graphics**
 - ✓ **Linking**
 - ✓ **Print**
 - ✓ **Special Content**
 - ✓ **Updates**
 - ✓ **User operation Mode**
 - ✓ **Navigation and tracking**
 - ✓ **External processes**
 - ✓ **Diagnostics and prognostics**
 - ✓ **Delivery and distribution**

Other proposed features of S1000D IETPs include

- **Powerful Search**

User can search with any of data module codes , Part Numbers, Fault Isolation codes or any others defined in the process of business rules exchange and navigating to the content.

- **IPDs and its maintenance**

Illustrated Parts Data module helps in defining complete part details, user can easily navigate and understand the specific part in detail. These parts Stock keeping and Maintenance are made possible with the help of Inventory Module.

- **Interactive Illustrations and Wiring Diagrams**

Illustrations and wiring diagrams are made more powerful by Separating parts wirings, Parts grouping with multiple colors Linking each part to detailed part illustration.

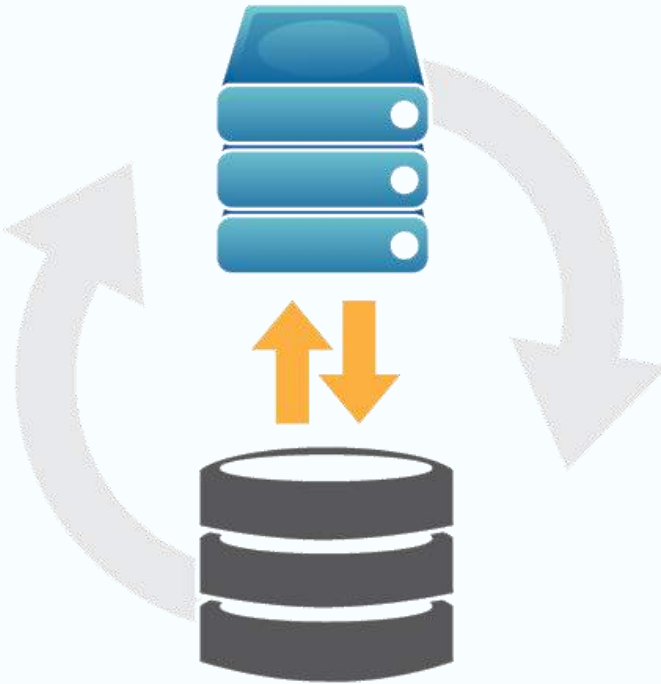
- **Conditional Branching Mechanisms**

With help of S1000D Yes No and Switch case schemas a technician can perform diagnostic procedures for fault isolation or replacement with action complete indicators following each step. Each step is linked to a detail diagram that shows the procedure to follow.

- **Maintenance & Operations data collection**

All the Maintainers and Operators performed actions can be collected as data for Auditing and Trail purposes.

S1000D IETPS Key Features



Data Planning and Management Benefits

- Interoperability at data level, through use of “accepted industry” schemas.
- Data Dictionary is freely available in the specification.
- Based on International standard ISO 8879 (SGML/XML content).
- Ease of data exchange, smaller more reusable chunks of information (data modules).
- Common information can be identified.
- Can be linked with source data such as Logistics Support Analysis Requirements (LSAR), which can be used to enhance an integrated data environment.
- Increase in data integrity and the generation of better quality documents, through data integration with other systems and business units.
- The specification permits the addition of extra documentation features such as Link mechanisms, allowing the project team to decide what level of end user experience is required.
- The data module level objects allow for the focus to be on data, as opposed to a more traditional paper delivery.

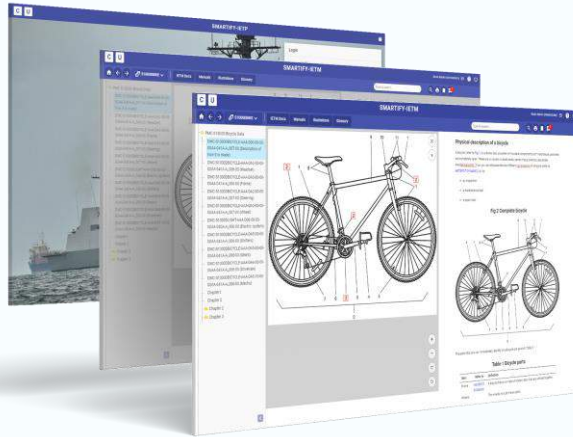
S1000D IETPS Key Features

Authoring Benefits

- Author can save a lot of time by focusing on the content and he'll be freed from formatting.
- Content reusability in Smart IETP is up to 40% across all publications since data modules are so modular.
- Maintenance and update costs can be saved by 30% due to data module content reuse in Smart IETPs.
- Defined Document Structures allow authoring structure to be defined within programs.
- The Module Uniqueness (Task/Description) in Smart IETPs allows task orientated definition.
- Smart IETPs can reduce the document distribution costs with the help of multiple delivery methods from the one source content.
- Publishing process is very well organized and streamlined. Data integrity optimization and making rich documents through data integration with other systems and business units is possible with our tool.
- Smart IETP features wider access control and efficient retrieval of the documentation by the end user using the asset/equipment in the field including multiple content delivery methods.
- Information made easy by Smart IETPs, for example; the operations like search and retrieval by applicable models, or through the use of metadata and content.



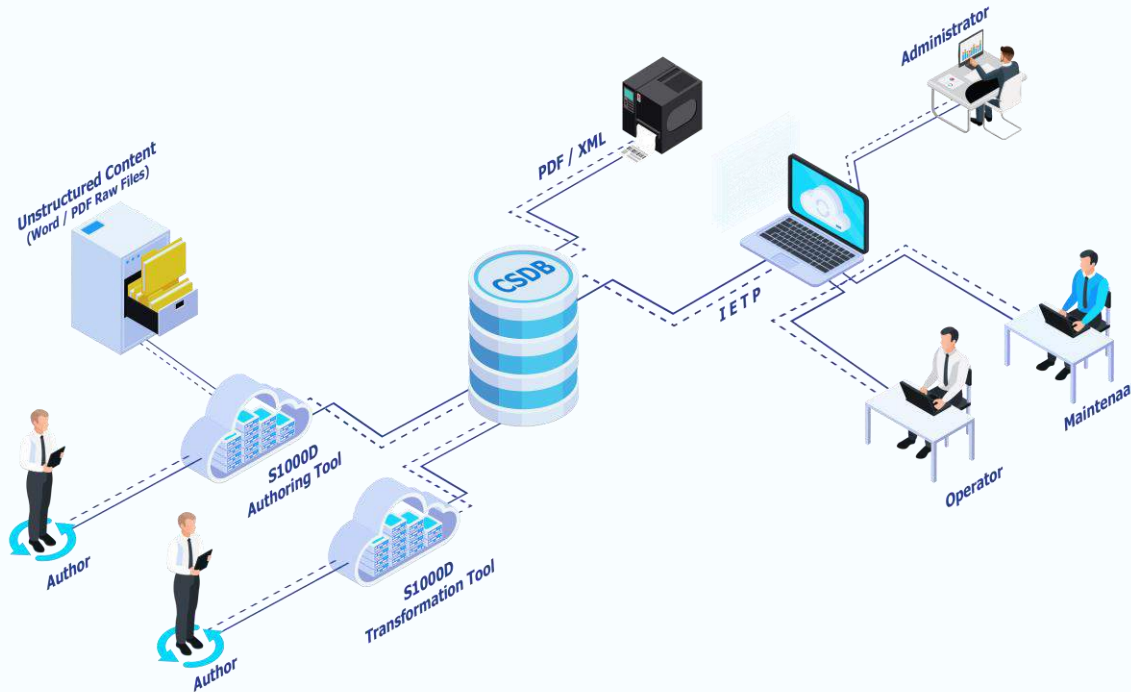
S1000D IETPS Key Features



Advantages of our Smart IETP viewers

- Reduction of Mean Time to Repair/Replacement with Interactive Fault isolation procedures.
- Powerful search helps users to identify information faster and get part details faster.
- Maintenance and operational activities data collection.
- Illustrated parts stock management and orderings.
- Easy data integration and corrections.
- User feedback collections in the form of Annotations.

IETP work Flow Diagram



- S1000D Transformation Tool:**
 Defining brex rules, Data module requirements list , Data module codes, Information Control Number creations , Metadata and content integration into each Data modules.
- S1000D Authoring Tool**
 For Authoring of prepared data modules and integrating them to CSDB.
- IETP Administrator Tool**
 For managing users and their access rights, Access to admin features like printing of User audit reports, Backup and Restore of Data etc.
- IETP Viewer Tool**
 Viewing of content as per defined access levels and to use features provided.

Performance & Scalability

- **Client Server Model**

Multiple users can access the same data with their login credentials through a browser or installed application on any handheld devices/systems connected to a designated IETP Server.

- **Stand Alone Model**

IETP can also be used as a standalone application by installing both server and application in a single system.



Exceptional & Unique Features of Our Smart IETPs



- **Easy To Use Interactive User Interface**
Smartify IETP stands unique to offer dynamic and easy to use applications with rich user interface.
- **Dynamic Color Themes**
Featured with Light and Dark mode color theme variants selection.
- **Built on Contemporary Technologies, Languages & Frameworks**
Smart IETPs are built using the latest and most popular technologies & frameworks that are most used in the market and having long term support.
- **Top-notch Performance and Scalability**
Our IETP is smart enough to deliver top-notch performance and can be scaled up to 5 lakh pages.
- **Device Compatibility**
All frames in IETPs are 100% responsive and works on any of Laptops, Desktops and handheld devices with latest OS and Browsers

Integration

- ❖ User Handbook/Operator Manual
- ❖ Technical Manual
- ❖ Illustrated Spares Parts List- ISPL
- ❖ Manufacturer Recommended List Of Spares (MRLS)
- ❖ Diagnostic Installation Manual
- ❖ Ground Support Technical Manual
- ❖ Equipment Technical Manual
- ❖ Service Manuals
- ❖ Maintenance Logs



Information Regarding Confidentiality of the Data Provided to Firm for Conversion and Licensing issues

Confidentiality of the Data

- Smartify and its representing person is ready to sign NDA with Client.
- A secured Intranet connection will be setup with all systems external ports blocked, and will be sealed.
- A server system will be setup with the admin password with both Client and Smartify administrators to control the data transfers outside the network.
- All the data integrated in Database and files mapped are end to end encrypted in the process of integration.
- Once the document integration is done we will handover the data files to Client with the Hard Disks
- Smartify will destroy all the material given by Client for integration.

Regarding License:

- All the Technologies, Software's , Databases used for Application development and integration are Open Source and are MIT licensed
- Detailed information of Used Licenses will be shared in the Documentation along with the software Delivery



Our Services & Solutions for Defence Sector



Design & Development

- IETM
- CBT
- Video Film
- Training Work Module
- 3D & 2D Animations
- Training Brochures
- Blow-up Diagrams
- Technical Literature
- Slides
- Charts & Boards
- Online Training System (OTS)

Printing Solutions

- Charts
- Boards
- Brochures
- Manuals

Technologies, Frameworks, Software's We Expertise at



Front End/CMS

HTML 5, CSS 3, JQuery, JavaScript, Angular JS, Angular 2-8, React JS, vujs, Material Design, Bootstrap 2-4, Wordpress, Woo commerce



Back End/Mobile Apps

JAVA , PHP, Node JS, Express JS, Mean JS, MySQL, SQLite, SQL , Objective c, Android , Ionic



Branding & Design

Adobe Photoshop, Corel Draw, Premier Pro, After Effects, Flash, Maya, XD



Marketing

Digital Media Strategy, SEO, SMO, Google Adwords, Facebook Ads, Social Media Marketing, Influencer Marketing, Affiliate Marketing, Email and SMS advertising..



Testing

Selenium (using JAVA, Python, c#), QTP/UFT, Jmeter, LoadRunner, SoapUI, Rest API



Networking Services

AWS, Azure, O365, Google Apps, Cisco, Fortigate, Sophos, Vmware, ESXi, Hyper-V, XEN, Docker, Redmine, Git, github, Jenkins, SnipeIT, TFS, Zabbix, Nagios, Apache Tomcat /Jboss

Contact Us!

Do you have any questions?



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