REPUBLIC OF AUSTRIA /
Austrian Armed Forces

Air Material Staff (MSL)

IETP for In-Service Support
- An Innovative Solution

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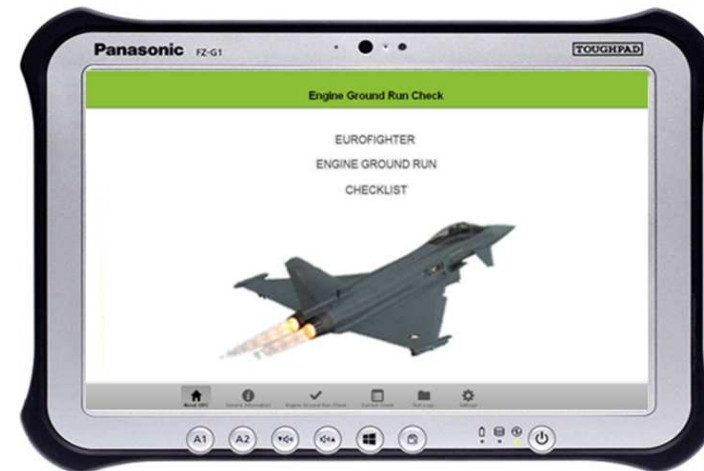sascha.prohaska@bmlvs.gv.at

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CASSIDIAN Manching - COPCI Technical Information

AGENDA

1. **Introduction**
2. **Project Highlights**
3. **Requirements**
4. **Realization**
5. **Outlook**

The story behind

Facts CASSIDIAN Customer Support

18 weapon systems supported
(diverse portfolio for combat, mission & unmanned air systems)

10 customer nations
(products tailored to different military and national needs)
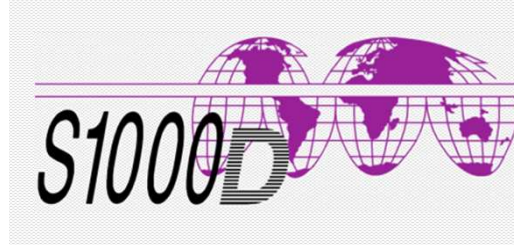
3 countries at 11 sites

Customer Support of CASSIDIAN was tasked by MSL to develop an innovative solution to support the Eurofighter Engine Ground Run Process.

Project Highlights

Tablet-based application

- Light and portable hardware
- No paper-based work anymore
- Long-dated and reusable data
- Easy versioning

Conform to S1000D

- Process data module interfacing with crew data module based on various S1000D issues
- Process data module conform to S1000D 4.1
- Crew data modules are not touched

Portable application

- HTML 5 application provides easy portability features
- Operation system does not guideline to a specific hardware anymore

Requirements

General Requirements

- Efficient and ergonomic mobile device solution enabling the execution of checklists
- Short availability time to support the Eurofighter weapon system maintenance organisation

Hardware

- Light and portable
- Data security and encryption
- Future oriented environment
- Suitable for outdoor

Software

- Easy to operate
- Support the process requirements
- Portable and scalable
- Adaptable to the IETP-X solution

Data preparation

- Data preparation with process data module ~ S1000D 4.1
- Cost efficient
- Automated

The application / field test

A powerful collaboration

Realization

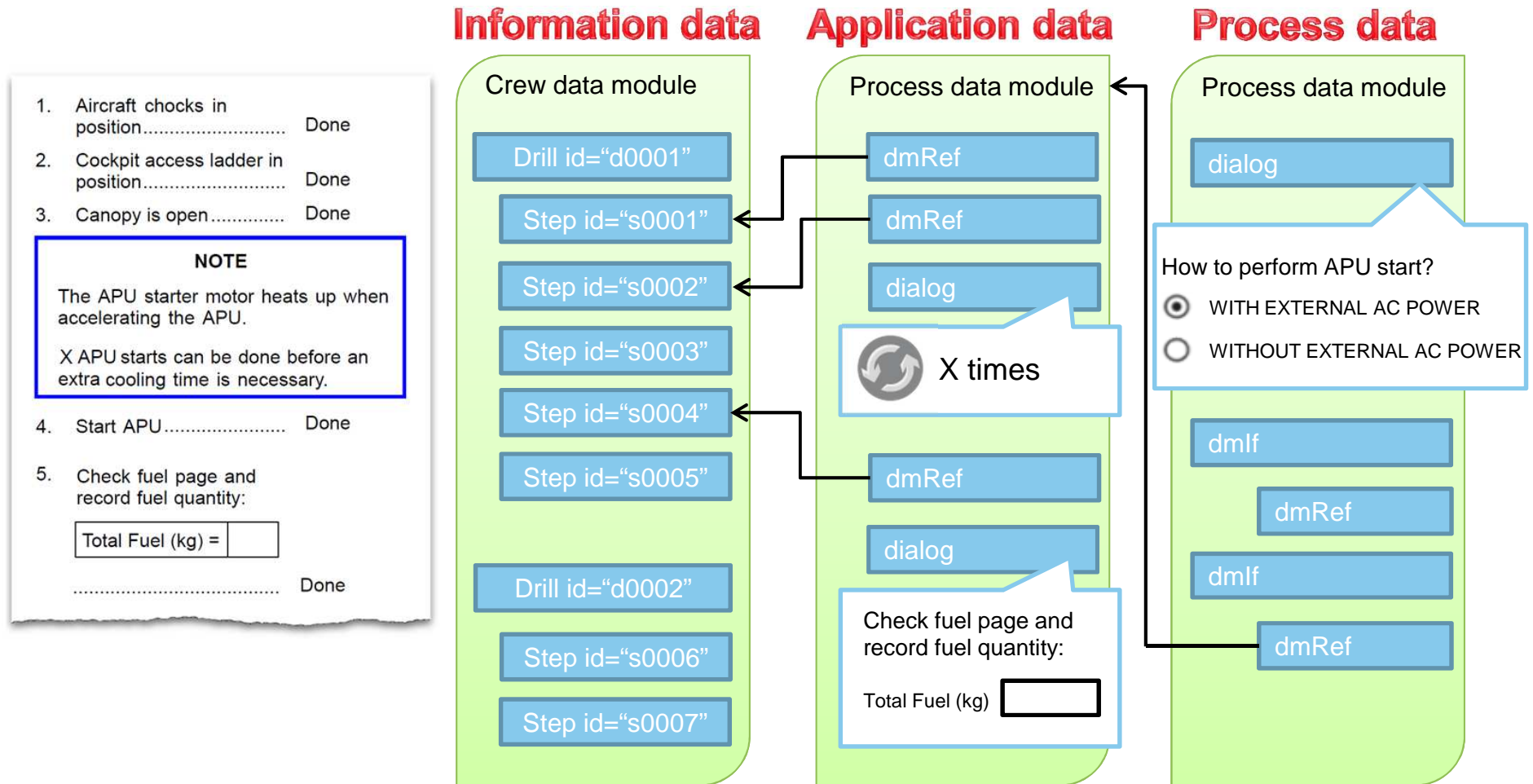# Hardware: Panasonic Toughpad FZ-G1

Requirements

1. Light and portable

2. Data security and encryption

3. Environment for future business
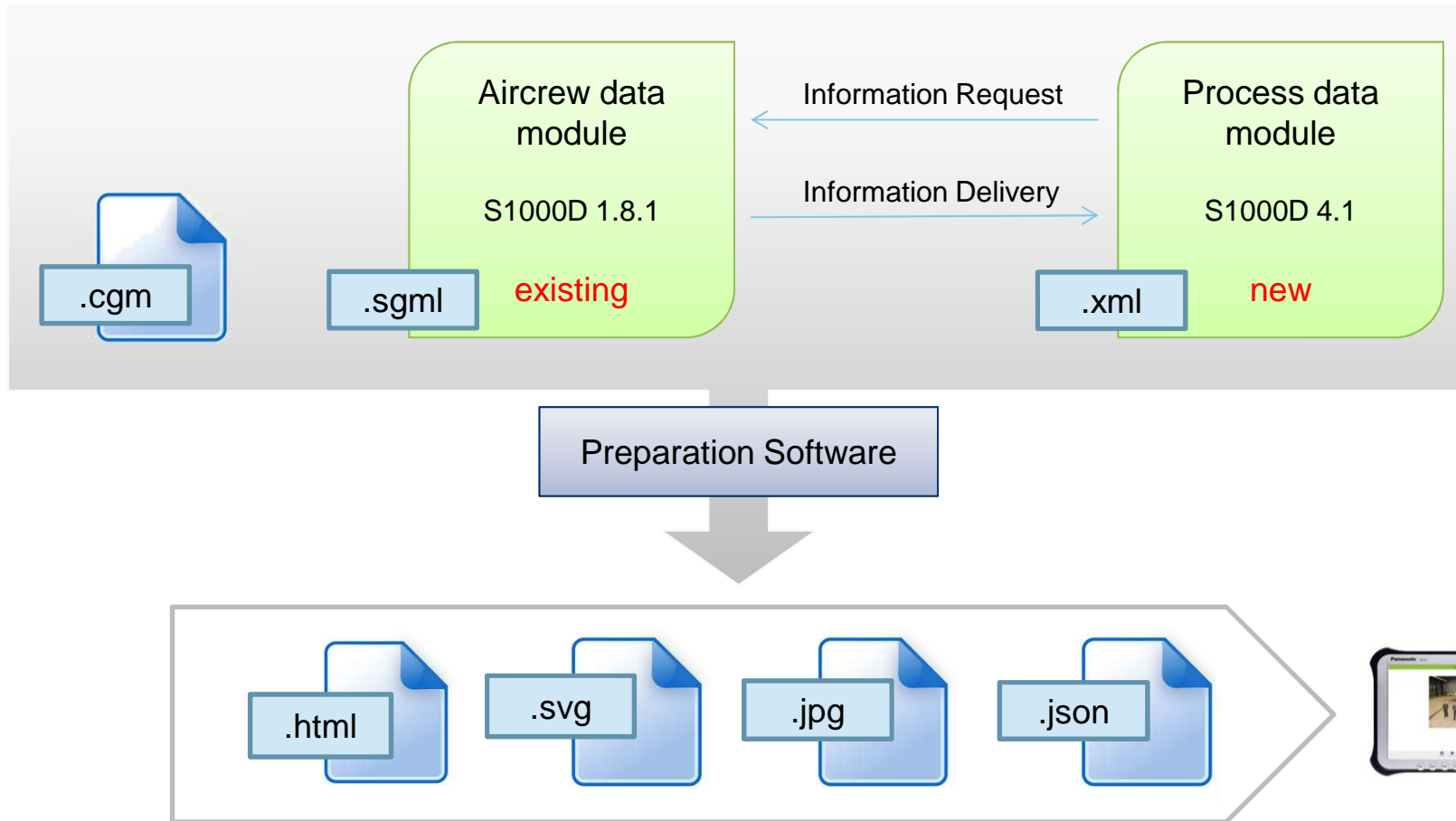
4. Suitable for outdoor

Specification

1. 1,1kg weight - 10,1" screen

2. Microsoft Windows

3. Intel® Core™ i5 and Intel® HD 4000

4. Non-glare display, 120 cm shock resistant, water & dust resistant, 8 hours battery life with replaceable battery

Data re-use from national CSDB

Data preparation

.cgm	Aircrew data module S1000D 1.8.1 .sgml existing	Process data module S1000D 4.1 .xml new

← Information Request

Information Delivery →

Preparation Software

.html   .svg   .jpg   .json
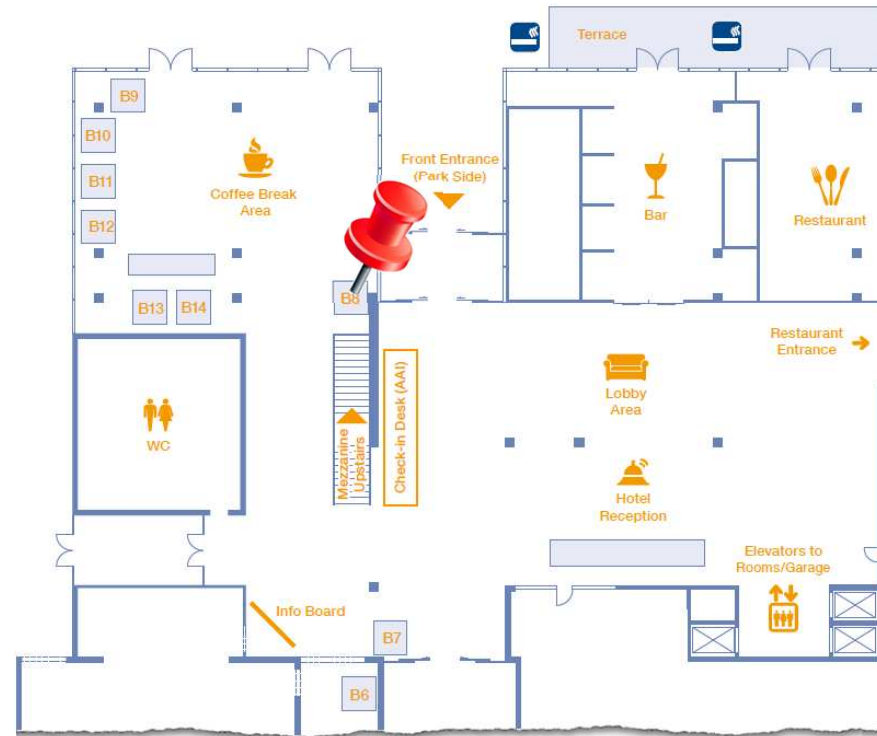
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Outlook

Opportunities for CASSIDIAN

- Tablet environment opens up prospects for further innovative solutions

- Use of process data module provide further use cases:
    - Troubleshooting and diagnostics
    - Air-battle damage assessment

Introduction	Project Highlights	Requirements	Realization	**Outlook**

Outlook for MSL

- Integration of further checklists

- Integrate interface between tablet application and IETP-X-AT.

- Embedding in Eurofighter IT Support Environment, e.g.
    - Simulation of maintenance data panel
    - Heavy landing assessment tool
    - …

- Replacement of all ground crew paper checklists for Eurofighter

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Thank you
**for your attention
and see you at our
booth B8!**

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AN EADS COMPANY

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