



Training Helped NATO Teams Understand and Face the Challenges of S1000D

The North Atlantic Treaty Organization (NATO) is the owner of a fleet of technically sophisticated aircraft (NE-3A) administered by the NATO Airborne Early Warning & Control (NAEW&C) Programme. The fleet of NE-3A aircraft represents the world's first multi-national, fully integrated Air Force – “NATO's Air Force.”



“Before the course, the participants in the NATO AEW&C team had very different knowledge and understanding of S1000D. We needed to bring the involved parties up to a sufficient S1000D knowledge level in order to fulfil our tasks. The training course allowed us to better understand S1000D, its enormous potential, its significant complexity as well as the necessary steps to its implementation.”

Maintenance Engineering Officer, NAPMA/CLLM5

The Challenge

A cockpit modernization program is planned for the NE-3A aircraft. This will lead to new technical documentation both for the operation and maintenance procedures of the aircraft. An international team of several NATO and United States Air Force (USAF) departments involved in the management, review and coordination of the project were facing a challenge to engage in communication with the cockpit manufacturer in order to agree on Business Rules. Business Rules are the key to successful implementation of S1000D. While these are still in the process of being standardized, many S1000D users and implementers face big challenges understanding and interpreting them.

Another challenge for NATO personnel was to fully comprehend the relation between data coming from or going into other systems connected to the S1000D Common Source Database (CSDB). For project managers it was important to understand which data and methods were needed in order to provide correct transfer between different logistics databases.

As a result, the NATO team came to Flatirons and asked us to put together a customized training course based on their needs.

The Training

Flatirons provided a customized, five-day training course consisting of the exact topics the NATO team needed to learn. The course, which was performed in English, took place at NAPMA in Brunssum, Netherlands. More than 20 people participated and engaged actively in numerous discussions, resulting not only in a better understanding of S1000D, but also in gaining a clear picture of their own project.

S1000D FOR MANAGERS	THE INS AND OUTS OF S1000D ISSUES	S1000D BUSINESS RULES		FROM LSAR TO S1000D
<ul style="list-style-type: none"> • Intro to SGML and XML • S1000D Overview • S1000D for managers • Project planning • Business Rules • Expenses, savings and traps • S1000D and other standards 	<ul style="list-style-type: none"> • S1000D issues • Organization • General changes • Data Modules • Publications and information objects • Business Rules standardization • Future plans 	<ul style="list-style-type: none"> • Introduction to S1000D Business Rules • Business Rules categories in detail • Discussions 	<ul style="list-style-type: none"> • Business Rules and BREX expectations for 4.1 • Business Rules and BREX visions for future versions • Discussions 	<ul style="list-style-type: none"> • DEF STAN 00-60 introduction • Walk-through of the LSAR • Relation between LSAR and S1000D • Introduction of LSA data to S1000D Data Modules conversion tool
DAY 1	DAY 2	DAY 3-4		DAY 5



“One of the reasons that we chose Flatirons to train our people was because they have first-hand know-how on practically all issues connected to S1000D, and their employees are actively involved in the S1000D working groups and task teams. When it comes to Business Rules and S1000D implementation projects, they really are very experienced.

A special highlight of the courses was their interactive character and the numerous discussions involving practically every participant. Many of the examples to illustrate S1000D constructs and methods were made directly connected to our program. This was of particular value since this helped us to make a straight connection to our needs and requirements.

Especially the two days on Business Rules were extremely productive since we could directly discuss the Business Rules for our project. During the course we started to evaluate what information we had already, what was to be identified and what was necessary for it.”

Maintenance Engineering Officer, NAPMA/CLLM5

ABOUT FLATIRONS

Flatirons Solutions® provides solutions for content lifecycle management for large asset industries like aviation, defense, rail, and marine. For more than 20 years, it has helped manufacturers, operators, and military forces maintain and operate complex assets more effectively. Its software and service solutions help organizations to deliver the right information, at the right time, to the right people.

ABOUT CORENA SUITE

The CORENA Suite™ from Flatirons Solutions® is the leading solution for content lifecycle management developed specifically for organizations that rely on mission-critical data to design, manufacture, operate, or maintain complex assets over product and service lifecycles as well as across their business networks.

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