Maturing ADL in Multinational Exercises MADLx

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Enhance military training and education by integrating ADL capabilities with joint and coalition training exercises
Research prototypes will be tested in several multinational exercises. Each of the target exercises will serve as event milestones to rapidly test, evaluate and promote or discard solutions for core ADL objectives.

Operational integration of ADL into the Viking 18 exercise suggests plenty of headroom for success.
Stakeholders

- Training Leadership
- Exercise planners, operators, participant and evaluators
Desired Outcome

- Support policy development
- Enhance the exercise user experience
- Expand the range of exercise ready learning content deliver tools
- Broaden the availability of demand driven exercise data and analytics
- Develop content to support awareness and adoption
Solution Space

Our analytics dashboard is platform neutral and can ingest asynchronous xAPI & non-xAPI data.
A Swedish / U.S. Initiative, Viking 18 is the most recent in a series of exercises initiated at NATO’s 50th Anniversary Summit in 1999.

A comprehensive and unique collective training opportunity for military, civilian and police.
Stakeholders

It is the most extensive multifunctional exercise of its kind and includes more than 50 countries, 35 organization, and 2,500 participants for 10 days.

Viking 18 is arranged by the Swedish Armed Forces and the Folke Bernadotte Academy, with remote sites in Brazil, Bulgaria, Finland, Ireland, Serbia and Sweden.
Risk vs Return

Risks:
• LMS is not xAPI compliant;
• Courses are built using various standards;
• Multiple national stakeholders and platforms;
• Challenging security environment;
• Limited timeframe, high visibility.

Payoffs:
• Partner ADL capabilities increasingly align with US DoDI 1322.26;
• Hard case proof of concept for xAPI implementation;
• Quick iteration of next exercise cycles for action on lessons learned.
The technology is ready:

- xAPI can be extracted from a hard case non-compliant LMS;
- the xAPI wrapper works well on newer courses, and its functionality can be replicated across a wide variety of older legacy course content;
- visualizations are capable of managing asynchronous data streams from diverse sources in multiple formats and of various scales;
- stakeholders are able to deliver data in a secure and timely manner.
29 courses drawn from 6 sources: NATO ACT, JKO, Sweden, Slovenia, BiH, and Macedonia.

ADL is approaching something close to interoperability in course repositories.

A "course plan" was built for each V18 unit with a combination of the highly recommended Intro to Viking and 2-5 recommended courses with content relevant for their role in the exercise.
The secure cloud based LRS and Dashboard remained live, with no intrusions throughout the pre-training and exercise.
Initial rough thoughts only

• ADL needs to be considered as a part of the exercise itself, not a compliment – in planning, in execution and, in exeval.

• Information exchange and communication is crucial in each stage (planning, execution, exeval) to assure efficient, timely, secure implementation against unified objectives.

• An early start is ideal, to facilitate stakeholder coordination, but the pieces can be assembled with as little as a three month lead time, perhaps less with practice.

• Learning objectives and exercise objectives should better align. Early and effective coordination should significantly contribute to resolving this.
Milestones

Start: Feb ‘19

CJSE: May ‘19

Aurora: April ‘20

Bold Quest: May ‘20
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