Death to SCORM

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Death to SCORM

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SCORM Was Great…

- **Interoperability**
  - Switching between LMSs was a breeze!

- **Standards**
  - First standards for training data associated with Computer-Based Training

- **Accessibility**
  - Content easy to locate and share in standard format – anyone can use!

- **Adaptability**
  - Easily tailor instruction and material

- **Reusability**
  - Reuse content and instructional material over and over again!
..But So Was This..
Welcome to the New Age!

• Digital Transformation and Revolution!
  • User Experience (UX), web3, Industry 4.0, Extended Reality (XR), Metaverse, Harnessing Big Data

• Technological advancements are paving the way for new, exciting training opportunities
**XR Training**

- Immersive, enactive learning is one of most active areas of innovation in education and training (Pomerantz, 2019)

- XR is one of the key emerging technologies to revolutionize the way we learn and train (Azawi et al., 2019)

- Lots of excitement for XR!
We Need A New Focus on Data Portability and UX for Students & Instructors

SCORM and the Metaverse?

- SCORM doesn’t translate data relevant to XR training
  - Lose insights into experiential learning outcomes

- SCORM is outdated, but it is still King

- We need a new way forward!
  - DoD training requirements still require only SCORM compliance, even with immersive training applications that have experiential data
Moving Towards the Future

• In the 2010’s, there were calls for updated SCORM

• Introduction of Tin Can API / xAPI

• New data standards for translating experiential learning outcomes MUST:
  - Be battle-hardened
  - User-Centered
  - Privacy-Secure
  - UX-Friendly
  - Robust
  - Interoperable
Where Do We Go From Here?

New Learning Technologies, New Learning Standards

- Training Dashboards
- Learning Management
- SDK/API Integration
- Supports XR
Example: xAPI Data Capture Sent Back to MOTAR
Final Thoughts

• Practical Implementations
  • Meet standards, but also think about the user

• Interoperability with Future Training Programs
  • XR training and other new tech is rapidly developing, new standards must be “future-proofed” to ensure future interoperability

• Near Term: IMPORT SCORM & TRANSLATE for modern delivery and reporting

• Data standards need to be structured to support the future of training in the metaverse
THANK YOU

Questions?
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