xAPI Statement & LRS Readiness Checklist

Run this before you ship an xAPI build. The companion article explains every line.

A. Statement design

- [ ] Every statement reads as actor — verb — object ("I did this")
- [ ] Actor is uniquely identified (mbox email or a named account)
- [ ] Verbs reuse ADL's published URIs before inventing new ones
- [ ] Each activity has a unique ID minted under a domain you own
- [ ] Outcomes go in result: completion, success, score, duration

B. Video tracking (xAPI Video Profile)

- [ ] Player emits the profile verbs: initialized, played, paused, seeked, completed
- [ ] Result extensions carry time, progress, and played-segments
- [ ] The completed statement includes total time spent watching
- [ ] Verb and extension URIs use the canonical w3id.org/xapi/video paths

C. The LRS and going live

- [ ] LRS chosen on purpose: hosted or self-hosted, bought unless it is your product
- [ ] LRS accepts statements over the xAPI REST interface and stores them immutably
- [ ] Statements are tested end to end into the real LRS, not just generated
- [ ] Reporting can query the LRS by actor, verb, object, and context

> **Before you emit a single statement: privacy**
>
> xAPI statements carry personal identifiers and a behavioural trail — that is personal data under GDPR (and 152-FZ for a Russian audience). Decide what you collect, why, and for how long first. This is engineering guidance, not legal advice.

Companion to: 'xAPI (Tin Can) Explained: Statements, the LRS, and What Changed'
www.forasoft.com/learn/elearning-video/articles-elearning/xapi-tin-can-explained



GO DEEPER · THE 7-VOLUME HANDBOOK

Fora Soft Video Engineering Handbook

Seven volumes, 9,000+ pages: encoding, streaming, audio and AI for video products — from the pixel to production.

By Nikolay Sapunov, CEO at Fora Soft · Kindle & paperback on Amazon

Browse the handbook on Amazon →

This checklist covers xAPI statement design, video tracking and the LRS before an xAPI build ships. We wrote seven volumes on the video stack behind tracked lessons: Volume 3 covers players and delivery, Volume 4 accessibility and subtitles, and Volume 1 encoding for the course catalogue.

WHAT YOU WILL FIND INSIDE

- Players and playback events
- Encoding for the course catalogue
- Accessibility and subtitles
- QoE monitoring

THE FULL HANDBOOK · 7 VOLUMES · 9,000+ PAGES · ALL ON AMAZON

Vol. 1 · Video Encoding — pixels and color to H.264, HEVC, AV1, quality metrics and AI
Vol. 2 · Video Streaming I — network transport, contribution and ingest, HLS, MPEG-DASH, CMAF
Vol. 3 · Video Streaming II — ABR, CDNs, players, WebRTC, DRM and the economics of delivery
Vol. 4 · Audio for Video I — PCM, codecs, loudness, accessibility, real-time voice processing
Vol. 5 · Audio for Video II — jitter buffers, lip sync, Atmos, quality metrics, neural codecs
Vol. 6 · AI for Video I — models and inference, computer vision, speech, search, generative video
Vol. 7 · AI for Video II — real-time pipelines, agents, serving, cost, compliance, verticals

Tracking video lessons with xAPI and an LRS?

We will instrument your player with the xAPI Video Profile, connect the LRS and test statements end to end. 250+ video products shipped since 2005.

Book a 30-min call → **WhatsApp →** **Email us →**