

WG V Meeting Minutes

Lisbon, Portugal

September 4nd 2025

Former Chair: Wayne Crawford

Vice-Chair: Yinshuang Ai

Minutes: [Anonymous]

Attendees

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More than 5 representatives from this WG V and the minimum attendance is considered to be satisfied.

Presentation

Presentation slides will be made to WG V can be found at:

Agenda:

- Approbation of 2023 Meeting Notes
- Marine Seismology Action Group results
- Change in leadership
- Any other business

Approbation of 2023 Meeting Notes

No objection to approval. Recommendation for future is to send out notes to the WG mailing list within a few days of the meeting, asking for any correction/comments. Currently approbation must be at the next meeting, Execom will discuss if earlier approbation method is possible

Change in leadership

Joel Simon is leaving as WG chair, Yinshuang Ai proposes to be chair with W Crawford as vice-chair.

W Crawford comments on the lack of training for Chairs, who can be lost as to what to do, especially before their first ExeCom meeting. CTrabant proposes that Vice-Chair should also be on Execom mailing list so that they can perform chair duties (ExeCom, meeting report) if the chair is unavailable.

Node data standards

Y Ai asks if WG5 is the appropriate venue to discuss node data standards. CTrabant thinks that it is.

An action to discuss/define node data/metadata standards may be launched

Marine Seismology Action Group results

WCrawford presented the main results and proposals of the Marine Seismology action group (named "OBS" in 2023, but "Marine Seismology" is more accurate). Presentation is online at FDSN WG5 page.

Discussion included whether there should be an Annotation standard separate from miniSEED and StationXML (for indicating where data has problems, for example). CTrabant feels that miniSEED annotations added post-data-collection is not sustainable.

For NOT TIME CORRECTED (NTC) versus TIME CORRECTED (TC) data, miniSEED2 standard is the use DataQuality="D" for NTC and "Q" for TC. WCrawford proposed

using miniSEED3 DataSequenceNumber “1” for NTC data, and “2”+ for TC data.

CTrabant points out that

<https://docs.fdsn.org/projects/miniseed3/en/latest/appendix.html#miniseed-2-4-fixed-section-data-header-fsdh> provides a recommended mapping from RDQM to

DataSequenceNumber 1234 , so DataSequenceNumber should be 2 for NTC and 3 for TC.

Resampled data currently has no clear source identifier code/mapping, FDSN wants to have a consistent interface/mapping for derived data, should be discussed/resolved in WG2.

WCrawford will discuss modifications to recommendations with the Action Group, come up with

- proposals for changes/documentation in FDSN StationXML/source_identifiers/miniseeds
- document on marine seismology data/metadata creation
- action group on marine seismology software (validated versions)

ASTroll recommends that the marine-specific information should be available on the FDSN documentation sites, with links to the relevant locations.

WCrawford proposes writing a Data paper first with all specifics, then import the information into FDSN documentation when possible/available.

2025-2027 Actions:

- Node data/metadata standards?