

**Minutes for FDSN WG III
Products, Tools and Services
Perugia, Italy
July 10. 2007**

Background: At the FDSN Executive Committee meeting it was decided to merge the FDSN WG III on software coordination with WG II. It was also decided that a new working group would be formed to focus on Products, and related tools. This new group will become WGIII. Tim Ahern was selected to chair this working group.

The first meeting of the FDSN WG III on Products was held on July 10, 2007 from 4:00PM until 5:00PM. It was reasonably well attended and the attendee list is attached at the end of these minutes.

The WG felt that the concept of services was also important and changed their name to Coordination of Products, Tools and Services. A draft charge for the working group was proposed with the understanding that it would be circulated by email and further refined if needed.

The draft charge for WG III is:

FDSN WGIII will

- 1) identify standard products that may be produced by FDSN data centers.*
- 2) advocate product uniformity and methods of production of FDSN products.*
- 3) advocate development and distribution of standard software tools that will support the production of FDSN products.*

It was felt that two types of membership in the group would be helpful, waveform data centers would focus on waveform related products and event data centers would focus on event related products. This can significantly help in the political arena whereby specific types of products can be produced by the appropriate centers. It was felt that the initial representation for waveform and parametric data centers should include

	Waveform Data Centers	Event Product Centers
1	ORFEUS	ISC
2	GEOFON	EMSC
3	GEOSCOPE	NEIC
4	INGV	CNDC
5	JAMSTEC	
6	CEA/IG	
7	IRIS DMC	
8	CNDC	

The group considered a variety of products that might be developed within the FDSN. These products fall into 3 general categories 1) Station Related Products, 2) Waveform Related Products and 3) Event Related Products. The complete list is contained in the associated Powerpoint presentation that is available on the FDSN web site. From this list we identified 3 products as initial candidates for FDSN products. These include:

- Displays of station locations on Google Earth
- Display of station locations through Open Geospatial Consortium (OGC) Web Mapping Services
- Power Density Function Displays along with the associated PQLX software.

Several FDSN data centers are already involved in these products and so we expect that considerable headway can be made before the next FDSN meeting.

It was agreed that the next steps for WG III on Products were as follows

- Circulate the charge for refinement and approval
- Populate the WG more fully
 - Set up list serve
- Identify Data Centers interested in developing products
- Attempt to develop the following tools
 - Station maps
 - Google Earth via KML files
 - OGC Web Mapping Services
 - Probability Density Functions for FDSN stations
 - Leverage PQLX tool available from IRIS

The meeting adjourned on time at 5:00PM.
Minutes by Tim Ahern, IRIS.

WG III- Products

2007 Attendees

John Adams GSC Canada	work jadams@nrcan.gc.ca
Tim Ahern IRIS	work tim@iris.washington.edu
Rick Benson IRIS	work rick@iris.washington.edu
Rhett Butler IRIS	work rhett@iris.edu
Pete Davis UCSD	work pdavis@epicenter.ucsd.edu
Bernard Dost ORFEUS/KNMI	work Bernard.dost@knmi.nl work dost@knmi.nl
Jim Fowler IRIS PASSCAL	work jim@iris.edu
Winfried Hanka GFZ-Germany	work hanka@gfz-potsdam.de
Jim Lyons GSC	work lyons@seismo.nrcan.gc.ca
Avi Shapira International Seismological Centre	work avi@isc.ac.uk
Reinoud Sleeman KNMI/ORFEUS	work sleeman@knmi.nl
Klaus Stammler BGR/SZGRF	work klaus@szgrf.uni-erlangen.de
Dr. Dmitry Storchak International Seismological Centre, , United Kingdom,	work dmitry@isc.ac.uk
Eleonore Stutzmann GEOSCOPE/IPGP	work stutz@ipgp.jussieu.fr
Seiji Tsuboi JAMSTEC/IFREE	work tsuboi@jamstec.go.jp
Torild Vaneck ORFEUS/KNMI	work Torild.van.Eck@knmi.nl