

Update on P_RoPHET

**IRTF DTNRG MTG
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Update on ProPHET

- UpRev'ed Draft (no changes just refresh)
- <http://www.ietf.org/internet-drafts/draft-irtf-dtnrg-prophet-01.txt>
- Adding new co-author – Samo Grašič
- Several implementations exist
 - SNC Code is being used in N4C project
 - Will be deployed in several test beds
- Almost ready for process leading to Experimental RFC status

Doc status

- Need to add information to section 3.3 on effect of the settable parameters
 - encounter – value of repeat encounters
 - aging parameter – based on delay characteristics of the environment
 - scaling constant – effect of transitivity
- Need to deal with issue of how to identify what routing protocol is being used if several different routing methods are used simultaneously in the network or even the same device..

Simulation status

- Various papers have mentioned ProPHET results in their papers.
- Trying to reproduce the results
 - to understand validity of the data points
 - to make improvements to the protocol as necessary
- Having some trouble getting details and code used for reproducibility

Development status

- N4C deployed code not yet interfaced to DTN2 bundle stack – uses its own version of bundling based on older spec.
- Several implementations exist other than the one used in the N4C project
 - e.g. Jeff Wilson implementation using Bluetooth CL
- Issue with DTN2 router architecture, esp metadata exchange – *need to write up issues*
- Size and performance concerns when integrating into hand held devices and low end devices
 - Looking at doing a Symbian implementation