

RPL Observations

- ROLL Interim (25th May 2020)

Current Status

Sect	Point	Status	Possible Next step?
3	Handling DTSN increment in storing MOP	No-progress Problem stmt discussed few times in last two years	BCP? How to handle sub-dodag route update in storing MOP? When to update DTSN in storing MOP?
4	DAO-ACK Handling	Draft submitted in IETF107	
5	Interpreting Trickle Reset	Clarification in existing BCP?	May not warrant a new draft.
6	Handling resource unavailability	Enrollment priority handles this	
7	Handling aggregated targets	IETF107 discussion for compressing address vectors	
8	TIO handling	BCP?	
9	Upgrades to RPL	Backward compatibility options handles it partly	

Current Status - contd

Sect	Point	Status	Possible Next step?
10	Path Control Bits handling	Problem stmt discussed in IETF107	Errata?
11	Adjacency probing with RPL	DIS-use-cases	WG-adoption
12	Control Options eliding mechanism	Eliding-RPL-Info	WG-adoption
13	Eliminating need of persistent storage	No-progress. Problem stmt discussed several times	Need solution. Possibly standards track.
14	Capabilities	cap-draft	In progress
15	RPL underspecification	Few points where 6550 is not clear	Errata?