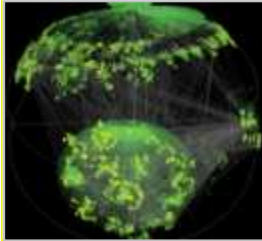


Baseline Encoding & Transport of Pre-Congestion Information

draft-ietf-pcn-baseline-encoding-01.txt

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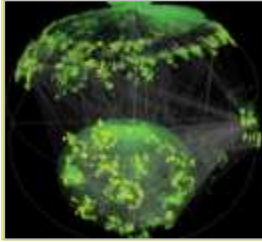


Updated Draft

- Previously individual draft. Adopted as WG draft last month.
- Revised twice since Dublin.
- Main change to encoding is to specify that 01 codepoint in ECN field now for EXPerimental use (not Local Use)
 - interior nodes treat an unexpected EXP codepoint as NM

DSCP	00	10	01	11
DSCP1	Not-PCN	NM	EXP	PM

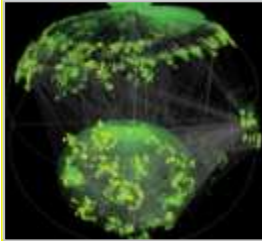
- Significant text changes:
 - New section on restrictions for any extension encoding (to ensure safe backward compatibility)
 - Moved text concerning node behaviours to appendix B as table
 - Changed terminology to PCN-compatible DSCP and PCN-enabled packet



What Next?

- One outstanding question
 - Where should text relating to valid/invalid codepoint transitions live?
 - In each encoding document?
 - In the marking behaviour document?
 - If former: baseline also needs to mandate such a table in any extension encoding

- other than this potential change, and a few nits document is ready for WGLC



Reminder – why baseline is best! for extensibility

	DSCP	00	10	01	11
Baseline	DSCP1	Not-PCN	NM	EXP	PM
PSDM	DSCP1	Not-PCN	NM ExM	NM ThM	PM
Basic 3 state	DSCP1	Not-PCN	NM	CU/EXP	ExM
	DSCP2	Not-PCN	CU/EXP	CU/EXP	ThM
Extended 3 state	DSCP1	Not-PCN	NM	NM(CE)	ExM
	DSCP2	Not-PCN	NM(ECT(0))	NM(ECT(1))	ThM
3-in-1	DSCP1	Not-PCN	NM	ThM	ExM
LC PCN	DSCP1	Not-PCN	NM	CU/EXP	ThM
	DSCP2	Not-PCN	AffM	CU/EXP	ExM