

# Baseline Encoding for PCN

Draft-moncaster-pcn-baseline-encoding-02

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# Requirements

- Aim to provide sufficient functionality to make PCN work
- Should be extensible to allow both experiments and charter extension
- Should minimise use of DSCPs
- Has to work within current tunnelling constraints
- Ideally should allow ECN to be carried end-to-end in some manner

# Current Proposal (as at 02)

	<b>not-ECN</b> <b>00</b>	<b>ECT(0)</b> <b>10</b>	<b>ECT(1)</b> <b>01</b>	<b>CE</b> <b>11</b>
<b>DSCP \</b>	<b>Not-PCN</b>	<b>NM</b>	<b>NM</b>	<b>M</b>

- Current suggestion uses both ECT codepoints as Not Marked
- DSCP1 might be Voice-Admit
- Marked state is interpreted locally depending on marking scheme in use
- ECN would need to be tunnelled

# Intended Change for 03

	<b>not-ECN</b> <b>00</b>	<b>ECT(0)</b> <b>10</b>	<b>ECT(1)</b> <b>01</b>	<b>CE</b> <b>11</b>
<b>DSCP \</b>	<b>Not-PCN</b>	<b>NM</b>	<b>EXP/LU</b>	<b>M</b>

- Suggestion is to change ECT(1) to EXP/LU
- This allows for multiple experimental extensions (see later)
- Marked state is still interpreted locally depending on marking scheme in use
- ECN would need to be tunnelled

# Next Steps

- Will release updated version to reflect the change shown on previous slide
- Would like to see this adopted as WG draft
- Feel this is simplest possible baseline encoding that gives greatest possible extensibility
- This would give a clear unambiguous standard that would not need to be replaced (just updated) should any experiment prove successful

# Questions?

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