

CCAMP Working Group

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Administrative

- Audio Streaming/Recording
 - Please speak only using the microphones
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- Jabber

Sessions

- WEDNESDAY, March 13, 2013
 - 900 - 1130 Morning Session I
 - Room Name: Caribbean 4
- FRIDAY, March 15, 2013
 - 0900-1100 Friday Morning Session I
 - 1230-1330 Friday Afternoon Session II
 - Room Name: Caribbean 4
- Details:
 - <http://tools.ietf.org/wg/ccamp/agenda?item=agenda86.html>

CCAMP Friday Meeting

- Welcome to ITU's SG15 Q6 Experts
- Today is a discussion on ITU's Q6/15 related topics
 - Note, not a formal “Joint Meeting”
- Introductions:
 - Peter Stassar: Rapporteur
 - Pete Anslow: Associate Rapporteur

CCAMP-Q6/15 Related Topics

- WSON Update
- New work on:
 - WSON Impairments
 - G.698.2 related
 - Flexible Grid

Update on CCAMP's WSON Work

- RFC 6163 “Framework for GMPLS and Path Computation Element (PCE) Control of Wavelength Switched Optical Networks (WSONs)”

<http://www.rfc-editor.org/rfc/rfc6163.txt>

(addresses wavelength continuity constraints, does not address impairments)

- RFC 6205 “Generalized Labels for Lambda-Switch-Capable (LSC) Label Switching Routers”

<http://www.rfc-editor.org/rfc/rfc6205.txt>

- RFC 6566 “A Framework for the Control of Wavelength Switched Optical Networks (WSONs) with Impairments”

<http://www.rfc-editor.org/rfc/rfc6566.txt>

WSON Working Group Documents (non-Impairment)

- Routing and Wavelength Assignment Information Model for Wavelength Switched Optical Networks
- Routing and Wavelength Assignment Information Encoding for Wavelength Switched Optical Networks
- GMPLS OSPF Enhancement for Signal and Network Element Compatibility for Wavelength Switched Optical Networks
- Signaling Extensions for Wavelength Switched Optical Networks

RFC 6566 “A Framework for the Control of Wavelength Switched Optical Networks (WSONs) with Impairments”

- This document does not define optical data plane aspects; impairment parameters; or measurement of, or assessment and qualification of, a route; rather, it describes the architectural and information components for protocol solutions.
- “impact of impairments and use in determination of path viability is not sufficiently well established for general applicability [G.680]; it will depend on network implementations. The use of an impairment-aware control plane, and the set of information distributed, will need to be evaluated on a case-by-case scenario.”
- Four models defined based on previous Q6-CCAMP discussions:
 - (A) No Concern for Impairments or Wavelength Continuity Constraints
 - (B) No Concern for Impairments, but Wavelength Continuity Constraints
 - (C) Approximated Impairment Estimation (Linear Case)
 - (D) Accurate Impairment Computation
- CCAMP initiating work to address (C) routing and signaling aspects and “black link approaches”. (D) will be addressed via “Black Link” approach (Black Link vendor or PCE computes/shares information on link). Note, no drafts are at “Working Group” status. Very early in the definition phase.