

TELECOMMUNICATION STANDARDIZATION SECTOR

STUDY PERIOD 2009-2012

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LIAISON STATEMENT

Source: ITU-T Study Group 15

Title: Comments on WSON Impairment Work in CCAMP

LIAISON STATEMENT

For comment to: IETF ccamp Working Group

Approval: Agreed to at SG15 meeting (Geneva, 28 September-9 October 2009)

Deadline: May 2010

Contact: Malcolm Betts Tel: +1 678 534-2542

Huawei Technologies Co. Ltd. Email: malcolm.betts@huawei.com

PRC

Thank you for your liaison statement on the WSON work in the CCAMP WG. We note that the focus of the work in draft-ietf-ccamp-wson-impairments-00.tx is on item C of section 3.1.1 "Approximated Impairment Estimation". In this work the term "black link" is used to describe links in which impairments can be estimated and that these impairment estimates will be used to select links that can be concatenated without 3R regeneration. This is in contrast to the meaning of the term "black link" as used within ITU-T (see Recommendations G.698.1 and G.698.2), where it describes a link where no information is available as to the contents of the link, but only the end-to-end maximum impairment is specified. Furthermore we would like to note that a "black link" is bounded by 3R regeneration points at either end. Therefore "black links" cannot be concatenated (without a 3R regeneration in between them). In the context of the CCAMP work involving links in which impairments are estimated (e.g. item C of section 3.1.1 "Approximated Impairment Estimation") it would be less confusing to use a term other than "black link".

It would be more appropriate to use the "black link" concept in the context of item A. "No concern for impairments or Wavelength Continuity Constraints" or item B "No concern for impairments but Wavelength Continuity Constraints" of section 3.1 since the "black link" is a viable pre engineered optical path between 3R regenerators.

Q12 has initiated work to update the architecture and control plane Recommendations related to WSON. The agreed direction for the work is to describe the topology used for routing as a single "layer" a 3R function will be shown as a transitional link and the wavelength flexibility/conversion will be described as a parameter. We have an aggressive target to consent the first set of Recommendations at the next SG15 meeting in June 2010.

We look forward to continuing our cooperative relationship with the CCAMP working group on this topic.

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