



Question(s): 12/15

LIAISON STATEMENT

Source: ITU-T Study Group 15 Question 12

Title: WSON work in Q.12/15

LIAISON STATEMENT

To: IETF ccamp WG

Approval: ITU-T SG15 Q12 and Q14 (Joint Interregnum Meeting, Beijing, 22-26 September 2008)

For: Information

Deadline: None

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Thank you for your liaison statement of September 6, 2008 to Q3/15 regarding the OTN work plan advising us of your work on Wavelength Switched Optical Networks (WSON).

Q.12/15 has initiated work on developing a network model for WSON, we will be working in cooperation with Q.6/15 to include optical impairments in this model. One intended output of this work is a model that can be used for path computation in the presence of both optical impairments and blocking switches. We note that the aspects related to optical impairments are quite challenging and we are engaging the appropriate experts. In view of this we would encourage you to continue your focus on networks in which impairments can be neglected and only wavelength assignment needs to be considered.

We noted that you are considering the use of a matrix to represent the blocking characteristics of an asymmetrical switch (e.g. ROADM). We are considering the use of a bipartite graph since it appears to be suitable for path computation.

We will review the internet drafts that you reference and would be obliged if you kept us informed of your progress on work in this area.

An electronic copy of this liaison statement is available at:

<http://ties.itu.ch/ftp/public/itu-t/tsg15opticaltransport/COMMUNICATIONS/>

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