



Question(s): 2, 5, 6/15

Montreal, 29 June - 10 July 2026

LS
(Ref.: TD243/PLEN)

Source: ITU-T Study Group 15

Title: LS on information to IEEE 802.3 on the new work item GSTR-HCF “Hollow core fibre technologies and systems”

LIAISON STATEMENT

For action to:

For information to: IEEE 802.3

Approval: ITU-T SG15 meeting (Montreal, 10 July 2026)

Deadline: -

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Abstract: This liaison statement is to inform IEEE 802.3 of a new work item on the technical report “Hollow Core Fibre Technologies and Systems.”

ITU-T Q2, Q5, and Q6 of Study Group 15 kindly inform IEEE 802.3 of a new work item on the technical report “Hollow Core Fibre Technologies and Systems (GSTR-HCF)”. This work item will be carried out as a joint activity among ITU-T Q2, Q5, and Q6/15. The new GSTR-HCF is expected to:

- clarify key properties of hollow core fibre (HCF)
- provide application scenario, requirements and system considerations,
- analyse interoperability,
- discuss deployment and maintenance consideration,
- discuss ecosystem development roadmap and potential path to standardization.

GSTR-HCF is expected to be published in 2028. ITU-T Q2, Q5, and Q6/15 appreciate continued and harmonized discussions with IEEE 802.3 to advance this emerging optical fibre and system technology.