

Government of India
Department of Telecommunication
Telecommunication Engineering Centre
Khurshid Lal Bhawan, New Delhi-110001

No. 6-6/2021-TC/TEC

Dated: 13.04.2023

Clarification

Subject: Submission of Family or Associated Models of Optical Fibre Cable (OFC) under MTCTE - reg.

The following criteria is defined for submission of application under Family/Associated models of OFC under MTCTE:-

i. Family Model definition: -

- Different models of optical cable for specific variants as mentioned in ER (i.e. Duct, Buried, Aerial etc.) built around same cable element (i.e. Micro Module, Ribbon Fibre, Loose tube and Tight buffer as mentioned in ER) but with difference in cable design based on fibre types (such as G.652.D, G.657.A1 & G.657.A2 etc.), single or double sheath, flooding and filling type, inner outer sheath material or any other constructional design change may be submitted under family application on MTCTE portal.
- Under this family application, complete testing of any one OFC model from that family may be done as per applicable ER.
- Testing of **incremental parameters** needs to be done for other family models for varying cable design based on fibre type, single or double sheath, flooding and filling type, sheath material or any other constructional design change with testing done on highest fibre count model of that specific design type.

ii. Associated Model definition-

- In case of different models of optical cables under specific variants of ER (i.e. Duct, Buried, Aerial etc.) built around varying fibre count with same cable element and same cable design parameters (such as fibre type, single or double sheath, flooding and filling type, sheath material etc.), OFC model with highest fibre count may be submitted as the main model and other lower fibre count model(s) may be submitted as associated models on MTCTE portal with testing done on main model.

- iii. If the fibre count of any OFC model is higher as compared to the models mentioned in already certified family or associated models, the applicant needs to apply afresh as it will not be considered under existing issued certificate.

This issues with the approval of Sr. DDG & Head of TEC.


13/04/2023

(Dhanesh Goel)

ADG (TC-I)

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Copy to (Through email):

1. Sr. DDG & Head, TEC, New Delhi for information please.
2. All DDGs, RTECs
3. C-DoT/IT unit for upload on MTCTE/TEC Website
4. Office copy