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### Supplement 6

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SERIES J: CABLE NETWORKS AND TRANSMISSION  
OF TELEVISION, SOUND PROGRAMME AND OTHER  
MULTIMEDIA SIGNALS

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## Ultra High Definition Television (UHDTV) cable transmission with functions defined in Recommendations ITU-T J.183, J.288, and J.94

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# Supplement 6 to ITU-T J.183, J.288, and J.94 Recommendations

## Ultra High Definition Television (UHDTV) cable transmission with functions defined in Recommendations ITU-T J.183, J.288, and J.94

### Summary

This Supplement describes a combination example of functions defined in Recommendations ITU-T J.183, J.288, and J.94 in order to achieve high speed transmission by channel bonding technology for 4K/8K Ultra High Definition Television (UHDTV) distribution over an existing transmission system compliant to Annex C to Recommendation ITU-T J.83.

### Keywords

Ultra High Definition Television, UHDTV, cable TV, channel bonding technology

### 1 Scope

This supplement provides UHDTV cable transmission with functions defined in Recommendations ITU-T J.183, J.288, and J.94.

### 2 References

- [ITU-T J.183] Recommendation ITU-T A.5 (03/2016), *Time-division multiplexing of multiple MPEG-2 transport streams and generic formats of transport streams over cable television systems.*
- [ITU-T J.288] Recommendation ITU-T A.5 (03/2016), *Encapsulation of type length value (TLV) packet for cable transmission systems.*
- [ITU-T J.94] Recommendation ITU-T A.5 (10/2016), *Service information for digital broadcasting in cable television systems.*

### 3 Definitions

None

#### 3.1 Terms defined elsewhere

None

#### 3.2 Terms defined in this Recommendation

None

### 4 Abbreviations and acronyms

|     |                                 |
|-----|---------------------------------|
| HFC | Hybrid fiber and coaxial        |
| NIT | Network Information Table       |
| QAM | Quadrature Amplitude Modulation |
| TLV | Type-Length-Value               |
| TS  | Transport Stream                |