JT-I630　ATM Protection Switching

1. Relations with international standards

JT-I630 standard is based on ITU-T Recommendation I.630 approved at the ITU-T SG13 meeting held in February 1999.　It is also based on Corrigendum 1 and Addendum 1 of ITU-T Recommendation I.630 approved at the ITU-T SG13 meeting held in March 2000.

2. Differences from international standards

None.

3. History of revised versions

Version	Date	Outline
1	April 1999	Established
2	November 2000	Revised due to addition of corrigendum and addendum in the corresponding international standard

4. Others

(1) Following issues are for further study.

    (a) Trigger for SD (Signal Degrade) (sections 5.1.2, 6.2.3 and 7.3.3)

    (b) Exact value(s) of protection switch completion time (section 5.1.2)

    (c) Protection resource allocation technique for m:n mode (section 5.1.2)

    (d) Provisional insertion frequency of APS cells (section 5.1.2)

    (e) Need for further monitoring of the protection entity (e.g. bandwidth, performance, etc) than the ATM connectivity (section 5.1.2)

    (f) 1:n configuration (sections 5.5.3 and 7.2.5)

    (g) m:n configuration (sections 5.5.4 and 7.2.6)

    (h) Application for the case where the protected domain is neither coupled with an e-t-e connection nor coupled with an OAM segment (section A.1.1)

(2) References

  TTC standards: JT-G707 and JT-I610

  ITU-T recommendations: G.805, G.841, I.326, I.732, M.495, M.3010 and M.3300

(3) Structure of this standard

  Corrigendum 1 and Addendum 1 of ITU-T Recommendation I.630 are described as Annexes a and b respectively in this standard.