

IEC/TC100 activities of quality for audio, video and multimedia systems

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IEC/TC100/TA11 TAM**

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IEC/TC100 activities for quality

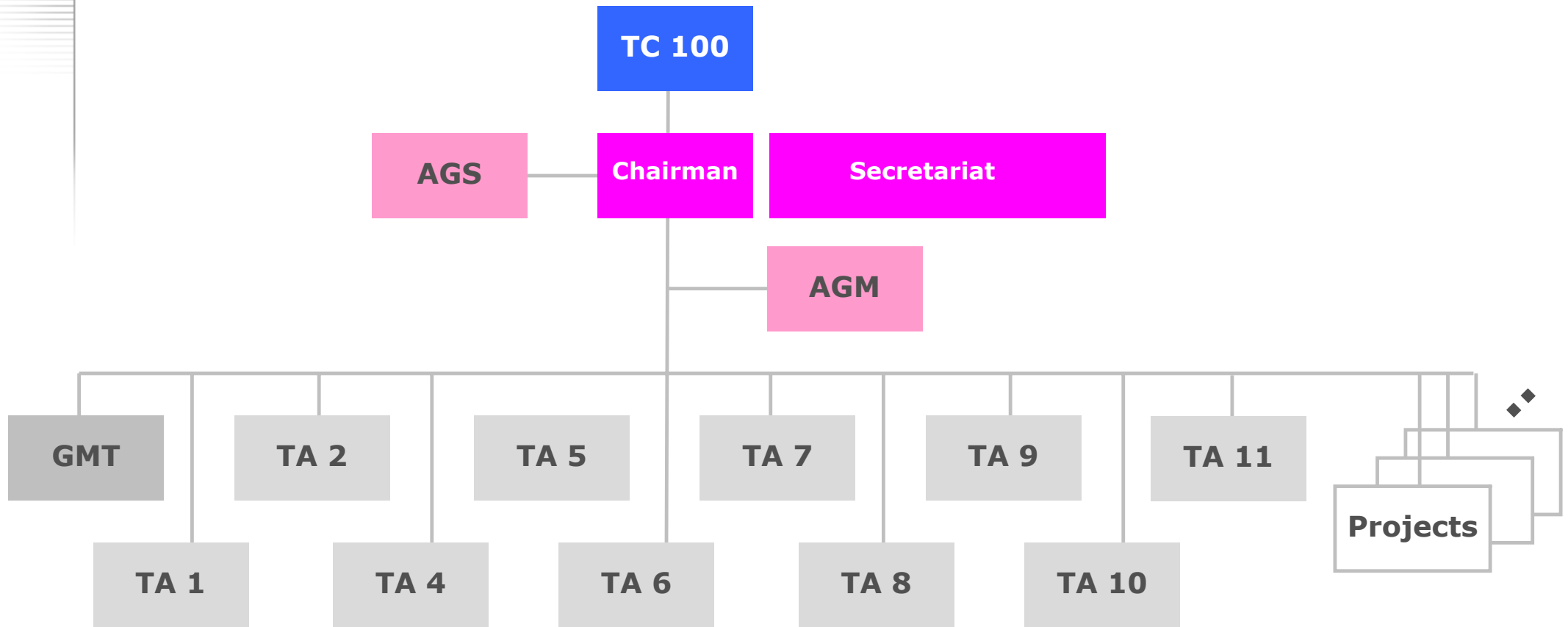
- ▶ **Mainly for consumer products**
(but the border between professional and consumer is unclear)
- ▶ **Current concerns**
 - ▶ AV synchronization and lip sync
 - ▶ Loudness in multi channel
 - ▶ Colour measurement and management
 - ▶ ...and other issues are under study in TA11

In many organizations

- ▶ **Quality issue is a concern in many organizations**
 - ▶ **ITU/VQEG**
 - ITU-T SG 9/WG 5
 - ITU-R SG 6/WP 6Q
 - ▶ **ISO/IEC JTC1 SC29**
 - ▶ **IEC/TC100/TA11**
 - ▶ **...and in many**

IEC TC 100

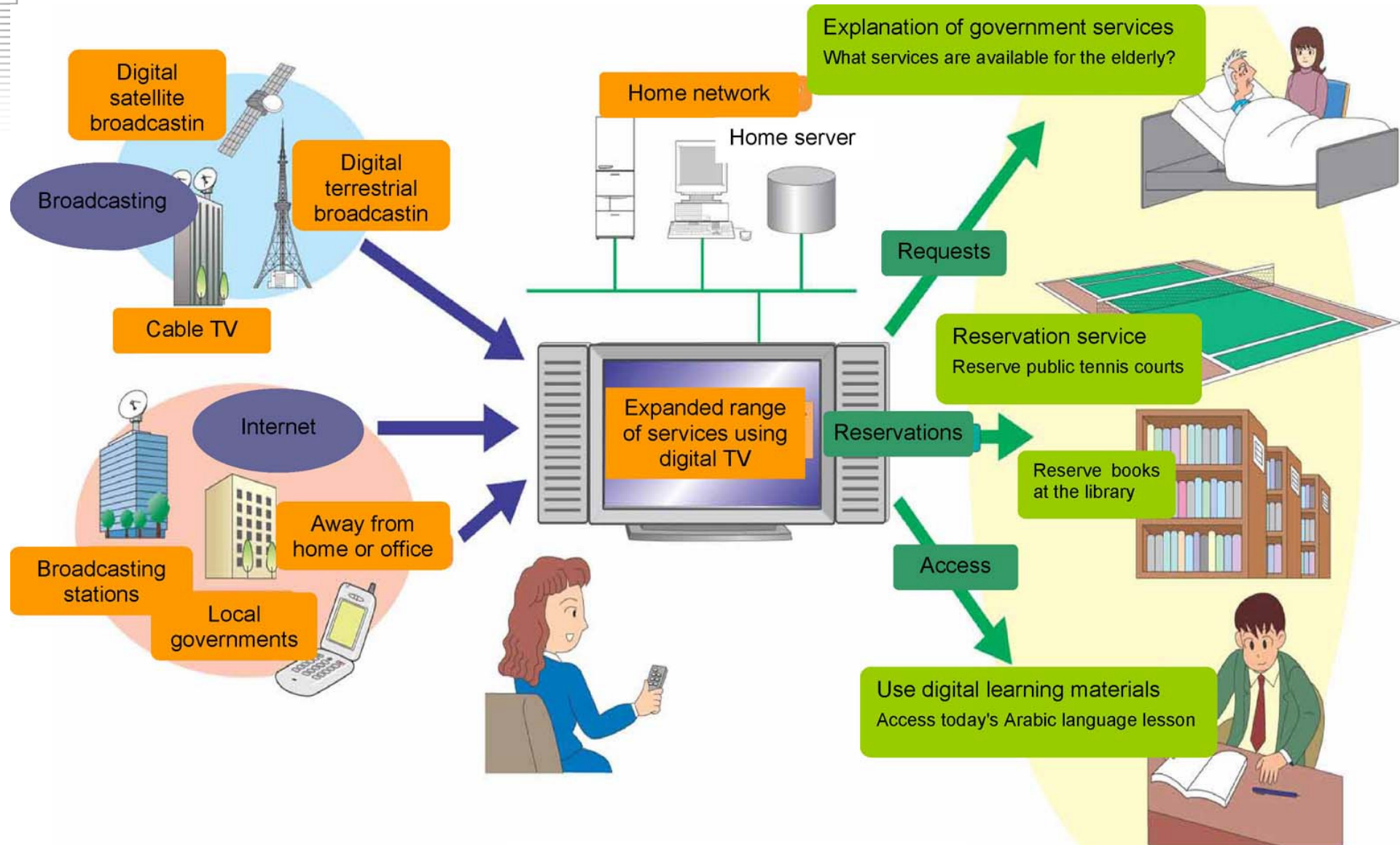
TC 100: Audio, Video and Multimedia Systems and Equipment



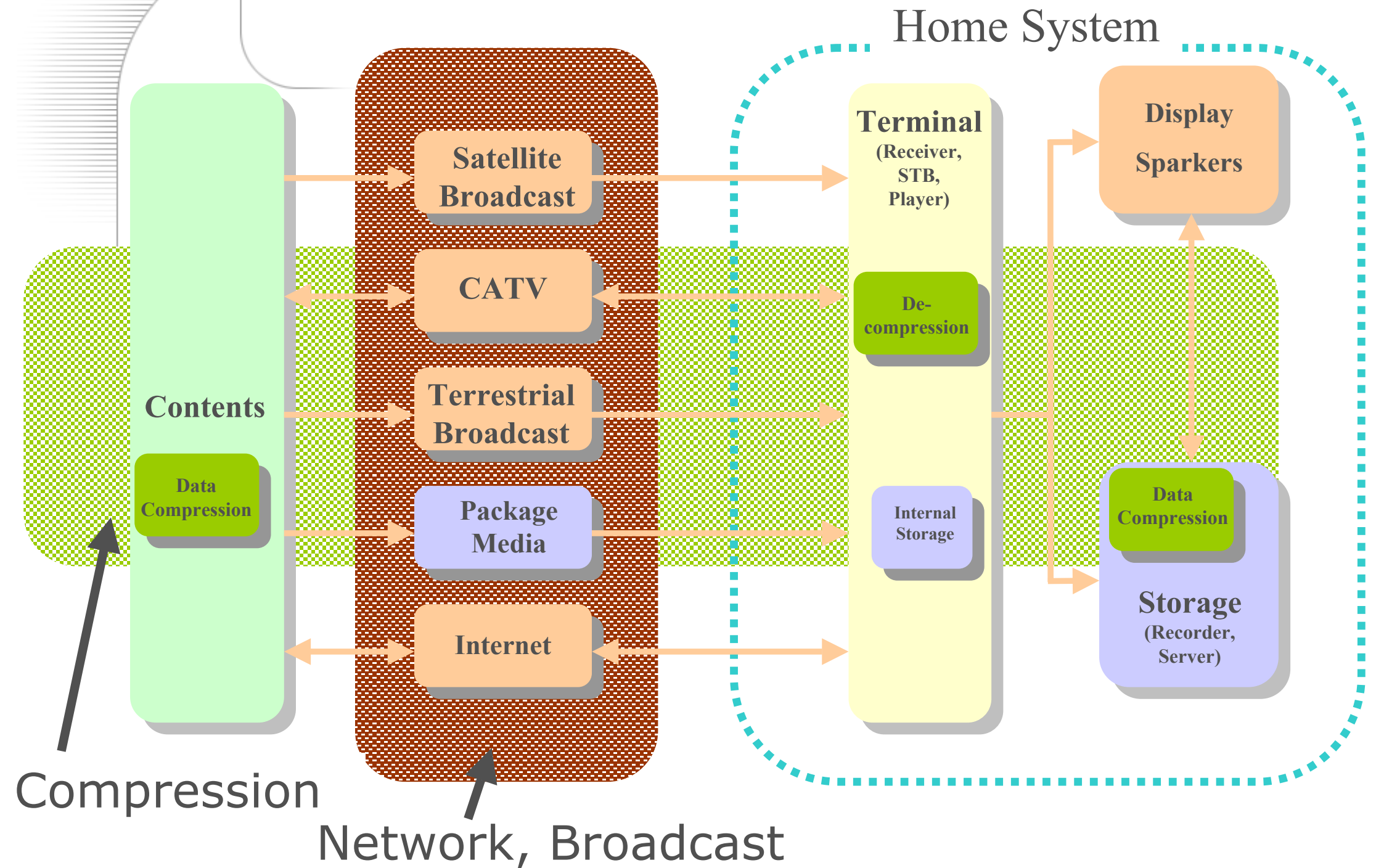
TA (Technical Area) of TC 100

- TA 1: Terminals for audio, video and data services**
- TA 2: Colour measurement and management**
- TA 4: Digital system interfaces and protocols**
- TA 5: Cable networks for television signals, sound signals and interactive services**
- TA 6: Higher data rate storage media, data structures and equipment**
- TA 7: Moderate data rate storage media, equipment and systems**
- TA 8: Multimedia home server systems**
- TA 9: Audio, video and multimedia applications for end-user network**
- TA 10: Multimedia e-publishing and e-book**
- TA 11: Quality for audio, video and multimedia systems**

Application examples under TC 100



Form contents to end users



Display and quality

- ▶ Display device is a final reproduction device and also an interface to the end users.
- ▶ Quality studies are started, but there are many issues to be solved because of the development of digital video and flat panel display technologies.



Display device involves;

- Video signal decompression
- Video signal processing
- Flat panel drive method
- Flat panel natures
- ...etc.

Observation

- ▶ **IEC/TC100 makes standards of audio, video and multimedia systems and equipment including quality issues.**
- ▶ **Outside of the terminal is not the issue of IEC.**
- ▶ **ITU, ISO and IEC corroborates to realize providing quality experience to the end users.**