REPORT OF SS11

VR Technology

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BACKGROUND INFORMATION

- Now a days, the market of VR products are shown the potential for a blooming in near future, but on the other hand, the short of research on standardization, especially on how to evaluate the performance of an VR system, will be an obstacle for the growing of market. The customer also needs some standards for ensuring the safety and health issues.

- In the past TC100/AGS 40th meeting held in Frankfurt, Ms. Xiaoying Zhao introduced market and technology of VR product

- AGS chair recommended to establish Study Session 11 (VR Technology) to study this topic.

EXPERT LIST OF SS11

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SCOPE OF SS11

- **Try to list and carefully evaluate the techniques used in field of VR.**
- **Find out the potential requirements for standards.**
- **Provide new projects to TC100.**

POSSIBLE ACTIVITIES

From	To	What to do	What we want	
2017-4-28	2017-5-5	First mail-based discussion	A brief outline of interested issues	Done
2017-5-5	2017-5-9	Mail-based discussion on the report to AGS	Try to provide a proposal on a report of VR products/market/techniques.	Doing
2017-5-20		start survey in field of VR	A report about possible standardization issues in field of VR.	Will Do

INTERESTED TOPICS

- **Typical use case study on VR products.**
  - **Entertainment**
  - **Education & training**
  - **Art show**
  - **other**
- **Existing techniques related with VR products.**

INTERESTED TOPICS

- **VR is a comprehensive system, including**
  - **real-time 3D computer graphics technology,**
  - **wide-angle (wide field) stereo display technology**
  - **observer head, eye and hand tracking technology**
  - **tactile/haptic feedback**
  - **stereo**
  - **network transmission**
  - **voice input and output technology**
  - **etc..**

PROPOSAL

- Establish a project as PT100-XX for starting the works about
  - A survey for existing products and technologies.
  - Analyze the techniques used in VR products and systems, especially on standards.
  - Study the typical use cases.
  - Find out the potential standardization needs in scope of TC100.