Review of requirements of BA interface (SR2)
&
Lessons learned from GWAC scientist interface

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Tasks of BA

From **SR2**

- Connectivity with FSC/CSC

- VHF data analysis

- Interaction with the ground based telescopes

- Follow-up coordination

- X-band data analysis at FSC/CSC and final trigger validation

- Burst revisit decision

- Data analysis of TO-MM events

- Publication

User requirements of BA tools

From "SVOM BA tools requirements" document provided by Liping. Totally 44 requirements

- **User management**

  Registry & edit personal info.; chick-in and out, hand-over shifts; etc.

- **Alert & information**

  Alerts; notifications from observations, data processing (online, offline); communications with experts and PIs, etc.

- **Data reduction and analysis**

  All data and results; capability of dealing with constantly, incoming data, etc.

- **Coordination of follow-ups**

  Coordinate the follow-ups with telescopes inside of SVOM and outside of SVOM, etc.

- **System information checking**

  The system status; delay of processing, etc.

Lessons learned from GWAC scientist interface

- Light weight & multi-platforms

- Clear & simple

- Big data need to be processed in real time (but people ain't patient for loading)

- Balance between integrated information and separated, specific information

- Instant messages and information are important

- For most of functions, apps are more efficient than webs

- Knowing the status of system is necessary

- Adapt to China's internet condition

- Industrialized programming technology is the key for extending functions, updates and evolution