

## **Metadata for EBU Applications (news and programme exchange)**

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# Trends for News delivery and Contribution

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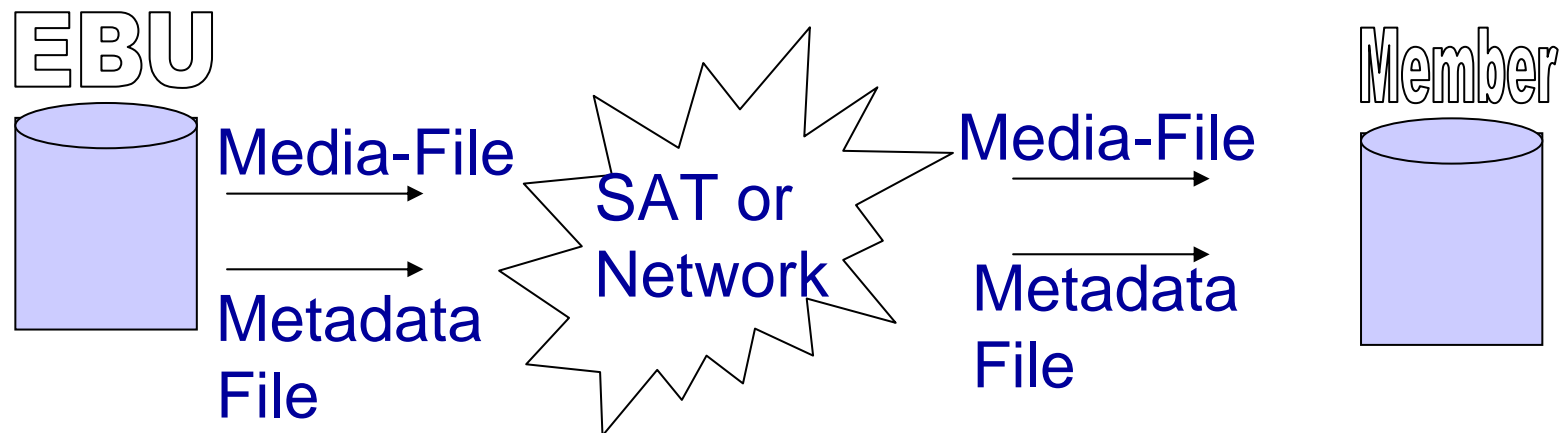


- To deliver news and contribution material in file form
  - (real-time and non real-time)
- To provide Content in low and high resolution quality including Metadata
- To apply standard based solutions to increase interoperability between distributed broadcast stations, if standards meet the user requirements
- To provide means for more efficient and automatic management of information

# EBU thoughts



- In the future, to delivery from EBU to members also in file form



- Question and open issues to be studied:
  - Which Essence should be provided for the members (more than MPEG-TS)
  - Which Operational Pattern (if MXF would be chosen)
  - Metadata
  - etc.

# User Requirements (I)

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- Support of Satellite operations
  - state of the art
  - plus file transfer via satellite
- Support of Network operations
  - file transfer
- Support of IP operations (low res, metadata, etc.)
  - dedicated networks plus IP via web
- Metadata handling as XML

# User Requirements (II)

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- Metadata and the audiovisual file:
  - for News/Contribution they are dynamic and change rapidly

=> Metadata on database
- Need to associate Metadata file to the audiovisual file
  - use of UMID might have potential.....
- EBU Metadata attributes (data items) as currently used in Radio are not related to DMS-1
  - => no rocket science to map attributes to any scheme
- Members need to formulate their requirements, on how they want to see the Metadata represented
- As usual, some argue, that at least EBU Metadata standards should be supported.....

# WBU initiative

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- Metadata Requirements for digital Contribution exchange group (MRC)
- Work ongoing for about 1 - 1,5 years

Quoted from MRC Documentation:

“WBU-MRC will define the metadata associated with the carriage of contribution material through temporary/occasional use circuit paths from one location to another. The carriage may be in real time (e.g. live coverage of sports events) or may be in a delayed format – either tape or file based (e.g. 10 minute current affairs segment from Madrid to be delivered to Tokyo by no later than 10 September 2003, 18:00 UTC.)”

# WBU results

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- Currently draft 0.5.0
- Set of Metadata attributes including definition, preferred format
- Definitions are independent of any other metadata scheme.
- Requirements of the WBU users need to determine whether a representation in KLV or any other scheme or any translations between schemes is required
- .....



- **Metadata Administration & Registration Services**
- WEB based Metadata service for EBU members.
- To provide WEB based METADATA SERVICE and management tool for EBU ratified Metadata:
  - maintenance,
  - change,
  - additions
  - alignment with registration authorities of other organizations – in particular the SMPTE and the SMPTE dictionary (on the WEB)
  - tool shall be as automated as possible (however some sort of review board is required – see PMC decision)
  - Service for EBU members, consequently members need to determine the UR for the service