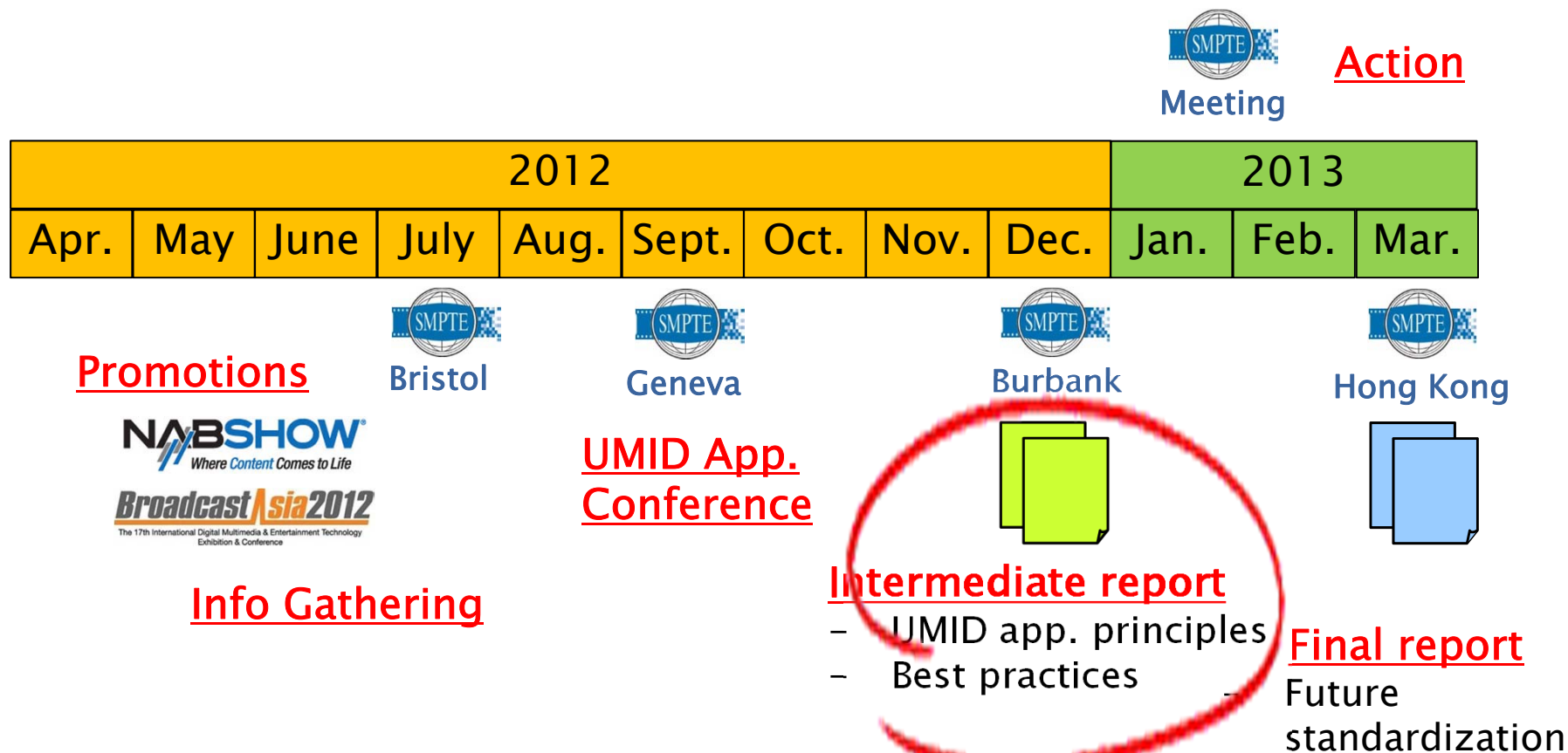


# Report on 30MR SG UMID Applications

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# We Are Here



# Activities since the Geneva

- ▶ Introduced at ABU TC Meeting @ Seoul
  - Relevant article on ABU Technical Review still not published yet
- ▶ Submitted report on “UMID Application Conference”
  - [https://kws.smpte.org/apps/org/workgroup/30mr-umid/document.php?document\\_id=19900](https://kws.smpte.org/apps/org/workgroup/30mr-umid/document.php?document_id=19900)
  - Exchanged about 20 messages for review online
- ▶ Contributed text fragment for the SG report
  - UMID Application Principles
  - Reference Implementation of UMID Application Principles
  - UMID Application Examples
- ▶ The SG report under integration
- ▶ Will submit the SG report to TC chairs within this year!

# Proposed

## “UMID Application Principles”(1 / 2)

- ▶ Principle 1 (Definition)
- ▶ Principle 2 (UMID Creation)
  - A UMID with a newly created Material Number together with zero Instance Number shall be attached to original Material at its entry to any UMID based material management system.
- ▶ Principle 3 (UMID Integrity)
  - Different Materials shall be globally uniquely identified by different UMIDs.
- ▶ Principle 4 (UMID Identification)
  - If more than one material is uniquely identified by a single UMID, their representations at playout shall be identical bit by bit on the timeline.

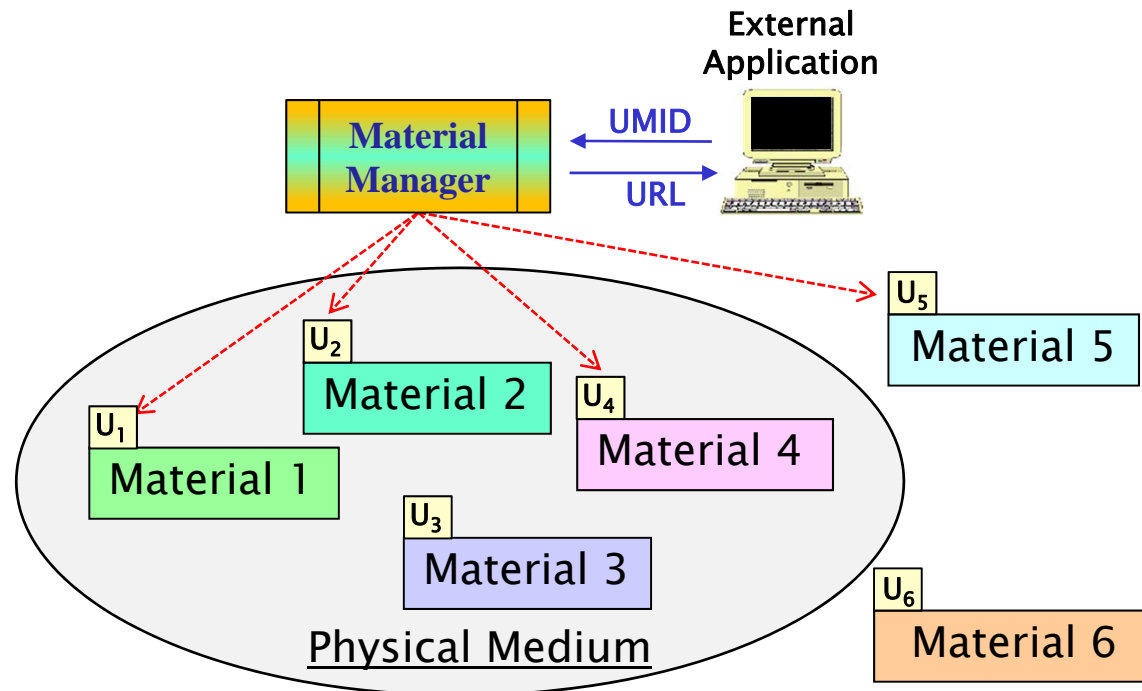
# Proposed

## “UMID Application Principles”(2 / 2)

- ▶ Principle 5 (UMID Inheritance)
  - Any Instance derived from an original Material may be attached with a UMID composed of Material Number inherited from that of the original Material together with the non-zero Instance Number.
  
- ▶ Principle 6 (Extended UMID)
  - Any Extended UMID attached to a Material Unit belonging to the same material shall share the same Basic UMID that uniquely identifies the material as a whole.
  
- ▶ Principle 7 (Source Pack)
  - The Source Pack should identify the time, space and ownership properties of the essence at its point of creation or capture. If present as a part of an Extended UMID, its values shall not be replaced with new ones when the basic part of its UMID is inherited.

# Provided “Reference Implementation of UMID Application Principles”

- ▶ Demonstrated based on the concept “UMID Managed Domain”









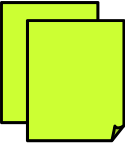
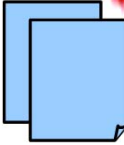

Material 1, 2, 4 and 5 constitute “UMID Managed Domain”

# Collected

## “UMID Application Examples”

1. UMID application as a globally unique identifier
2. UMID Application as a linking tool
3. Simultaneous Multiple Material Creations for Offline/Online Edits
4. Abstract Original Material
5. Identical Materials
6. UMID for Growing Material
7. UMID based Material Search
8. UMID as a Common Material Identifier in a Best-of-Breed Media Production System
9. Globally Distributed Material Management
10. Loose Coupling between Application and Media Layers

# Next Comes

2012									2013					
Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.			
<p><u>Promotions</u></p>   <p><u>Info Gathering</u></p>			 Bristol	 Geneva	 Burbank	 Hong Kong			 Meeting	<p><u>Action</u></p>				
									<p><u>Intermediate report</u></p> <ul style="list-style-type: none"> <li>- UMID app. principles</li> <li>- Best practices</li> </ul>			<p><u>Final report</u></p> <ul style="list-style-type: none"> <li>- Future standardization</li> </ul>		





# Next Step

- ▶ Intermediate SG report
  - To be submitted to TC chairs within this year after further review
  - Hopefully to prepare for new activity if accepted
- ▶ Final SG report
  - To report relevant technologies that need to be further standardized to enhance the UMID applications

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**Thanks!**