

# Internet Media Guides

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# IMG Framework and Requirements

- Status is “AD Evaluation” on Nov.5
- Problems?

# New IETF IMG Components Needed

Media/content descriptions  
and other associated metadata

Data model

SMIL

SDP

MPEG-7

SDPng

Maintenance, Encapsulation

IMG Transfer Envelope

Transport Protocol

IMG Multicast  
Delivery Method

IMG Subscribe/  
Notify Method

L2 etc.

Fixed

Cellular

Broadcast

# IMG Unicast Subscribe & Notify Mechanism

- Groundwork already an individual ID
  - `draft-nomura-mmusic-img-notify-00`
- HTTP does not meet the IMG requirements
  - Always-on sessions & polling do not scale (# of users & data quantity)
  - Need an update notification mechanism
- Working assumption is to base on SIP Event Notification
  - Already has SUBSCRIBE and NOTIFY functionality
  - Good candidate for update notification
  - Need to standardize “Event Package” for IMG
  - Need “Envelope” to make IMG metadata delivery maintainable
- Proposed Transport Area charter item (MMUSIC/SIPPING)

# IMG Transfer Envelope

- Groundwork already an individual ID
  - **draft-walsh-mmusic-img-envelope-01**
- Need to provide a common minimal set of information to manage transfers of IMG information
  - Independent of delivered IMG Metadata & of IMG Transport Protocol
  - Identify, Version & Validity/expiry time of “a block of” IMG metadata
- Working assumption to use XML definition
  - Embedded: A wrapper encapsulating an IMG metadata
  - Referenced: A separate object referencing the IMG metadata
- Proposed MMUSIC charter item

# Multicast Transport Protocol

- Groundwork already an individual ID
- It was expired, but will be submitted

# Open Issues

- IMG URI

  - `img://...`

- IMG Encapsulation

  - MIME type in IMG Transport Protocols

    - `application/envelope+xml`

  - Versioning, Delta description

    - a. IMG Envelope

    - b. Header extension of transport protocols

    - Allow both methods? Or not?