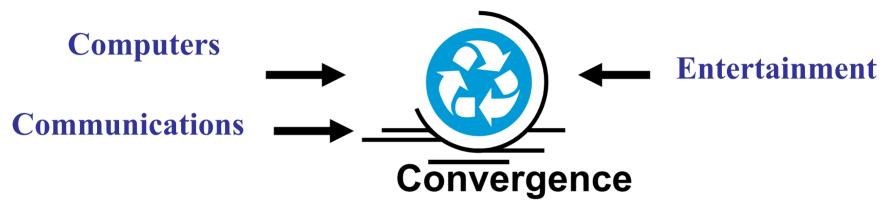


### Building an Entertainment Technology "Center"



### **Overview**

# **Entertainment Technology** "Center"





New Technology



Collaboration

## Vision

- •Leverage the power power of Electronic Media
- Open New MarketsMarkets
- Improve Costs
- Secure the future

# Entertainment Technology

## Entertainment Technology "Center"









- Long term view of the world
- Major change in business processes
- Effect multiple stakeholders and market segmentsconverging on entertainment
- Projects benefits from neutral facilitation
- Business to Business relations- works best
- Requires innovation and invention
- Requires socialization, education, and training
- Constantly working one self out of a job



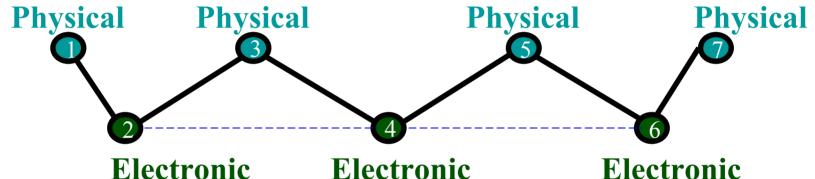
## Image Capture to Initial Release



## **Production Process**

business-to-business communications





### 1. Image Capture

- 2. Digitize Image
- 3. Review Dailies
- 4. Off Line editing
- 5. Review & Approval of Cuts
- 6. Edit Changes

### 7. Initial Release



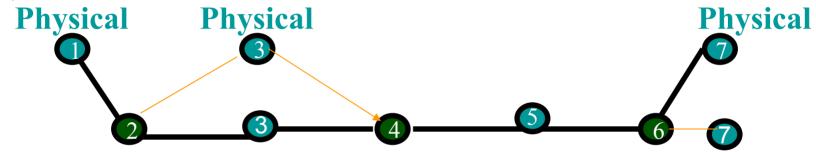
## Image Capture to Initial Release



# **Process-update**

business-to-business communications





### **Electronic**

### **Electronic**

### **Electronic**

- 1. Image Capture 2. Telecine- 2k/4k
  - a. Film
  - b. Digital

- 3. Dailies-Multi-format
- 4. Editing and F/X
- 5. Digital Intermediate
- 6. Distribution Format

- 7. Initial Release
- a. Film & DCinema
- **b.** Television
- c. DVD & other

Security



- Digital Production with Telephony
- Digital Asset Management
- Online- Film Location Database
- Virtual Set and Stage
- Digital Distribution Systems to the Home
- Security
- Digital Cinema



## Collaboration

- Dominant Players in multiple markets
- Project requires more resources than a single company can or should provide
- Cooperation is required to make it happen
  - Technical, Legal, Social/Cultural, Education, or any combination of the above



# **Example: Digital Cinema**

- Global implications with the most meaningful change since the introduction of sound
- New Technology introduction
  - Interoperability diagram vs 100 year old business
- Collaboration
  - Creative Community
  - Studios
  - Exhibition
  - Standards organizations
  - Technology Providers

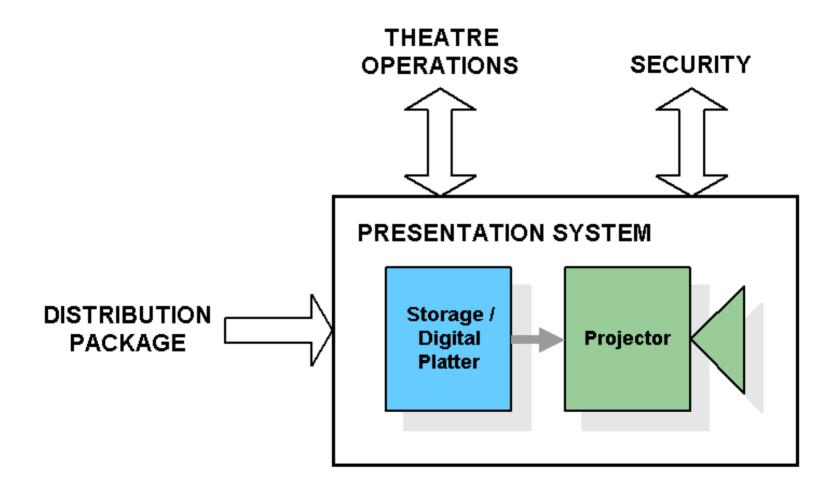


## Digital Cinema Technology

- Improve cinema experience beyond 35mm film
  - Steady Image
  - Elimination of dirt, scratches and other blemishes
  - Overall uniform quality presentation
- Enhance the capability to distribute content
- Improvements in the production process
- Advantages in cost performance over time



# New Technology: Interoperability





# The Creative Community

 Individuals, production companies, and associations around the globe.









# **Major Studios**



**DCI**DIGITAL CINEMA
INITIATIVES, LLC











MGM



### **Exhibition- USA**











## **Exhibition-International**

### Europe...







...And the rest of the world

- -Japan and Asia (includes India)
- -Canada
- -Latin America (Mexico to South America)



# Standards and Facilitating Organizations



















# **Technology Providers**

System Integrators and Projector Companies











#### **New Service Providers**

Satellite and Telco

Security Systems

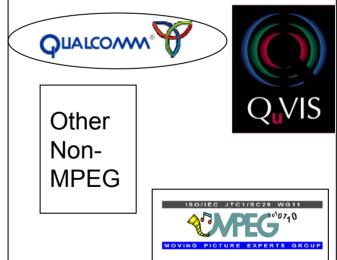
Theater Management Systems

Alternative Content Systems

### Core Image Technology



#### Compression





# **USC/ETC** Digital Cinema Lab

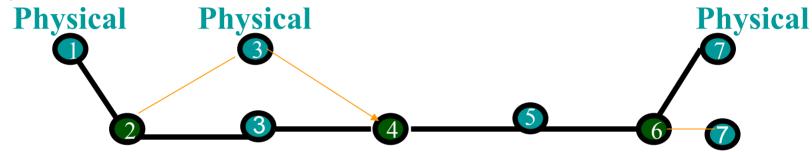
- "Stone Soup"
  - Pacific Theater- Exhibition
  - Content- Studios
  - Leading Edge Equipment- Technology Companies
- Activities
  - Demonstrations and Proof of Concept
  - Measurement and Testing
  - Neutral Ground for Education and Socialization of Concepts



# **Summary-Convergence Process Improvements**

business-to-business communications





**Electronic** 

**Electronic** 

**Electronic** 

- 1. Image Capture 2. Telecine- 2k/4k
  - a. Film
  - b. Digital

- 3. Dailies-Multi-format
- 4. Editing and F/X
- 5. Digital Intermediate
- 6. Distribution Format

- 7. Initial Release
- a. Film & DCinema
- b. Television
- c. DVD &other

Security



# Summary-New Technology

There will continually be new emerging technologies.

Look for technologies that will significantly impact business to business process.



# Summary-Collaboration

- Facilitate the resources of multiple stakeholders to a long term vision.
- Creates opportunities for
  - Innovation
  - Education
  - Experimentation
  - Implementation



## Thank You

