

# DAVIC's 1.5 series Application Scenarios

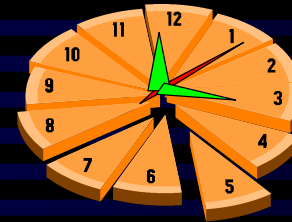
Simon Parnall

BBC Research & Development

# DAVIC's 1.5 work

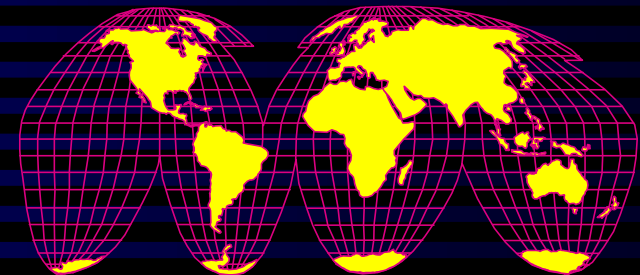
- ACCESS to time dependent content using simple to use integrated home storage systems

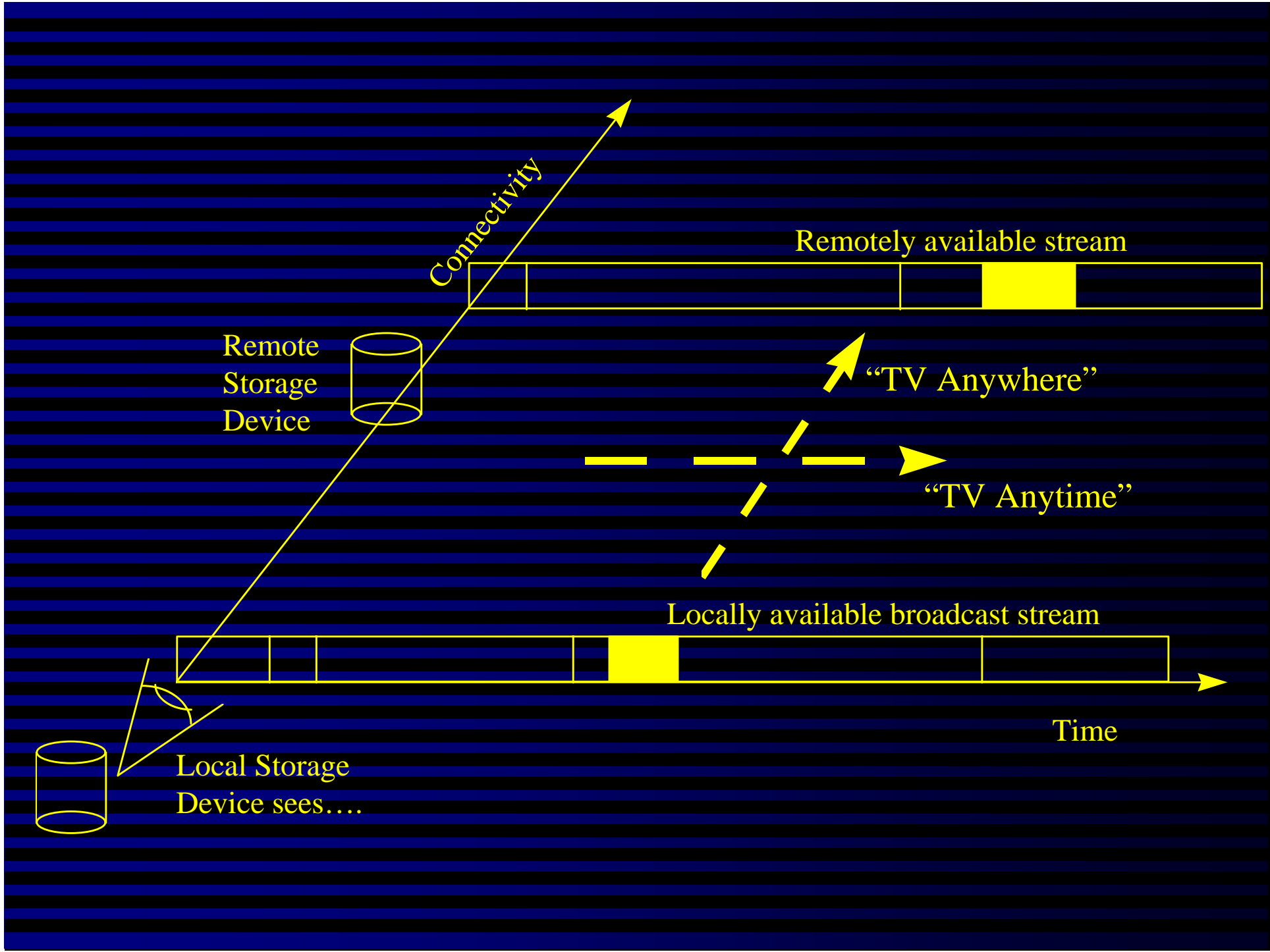
- “TV Anytime”



- ACCESS to remote content via Internet tools and technologies

- “TV Anywhere”





Connectivity

Remotely available stream

Remote Storage Device

“TV Anywhere”

“TV Anytime”

Locally available broadcast stream

Local Storage Device sees....

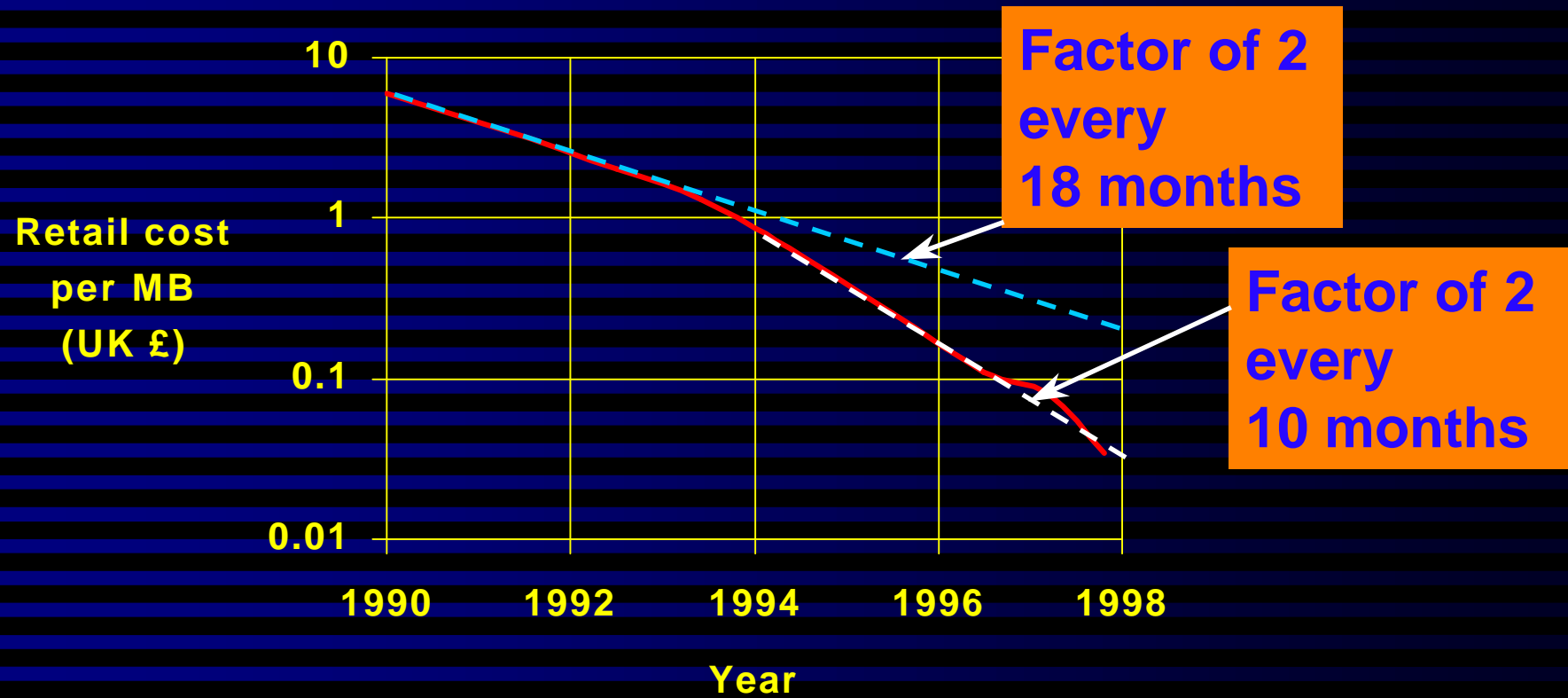
Time

# Areas of Apps Requirements

- Common space/time navigational tools
- Selection mechanisms from Trailers, EPGs and Web Pages by users
- Agent based selection allows “Anytime services”
- Expansion of IDs for series & serials
- Fulfilment irrespective of channel / time
- Easy use of segmented content
- Access to remote channels using scaleable Internet technologies
- Access to content on remote storage devices
- Local content management systems

The rapidly decreasing costs  
of local storage make  
“Anytime” functionality  
possible

# Hard Discs



# Hard Discs

- In the last decade, the capacity/cost ratio has risen by a factor of 100 due to technology / manufacture / volume.
- This trend is reliably predicted to continue for at least the next ten years.

# Hours of full quality video stored on hard disc costing \$200

| Year           | Doubling every<br>18 months | Doubling every<br>10 months |
|----------------|-----------------------------|-----------------------------|
| 2000<br>(base) | 8                           | 8                           |
| 2005           | 80                          | 480                         |
| 2010           | 800                         | 28,800                      |

# Hard Discs

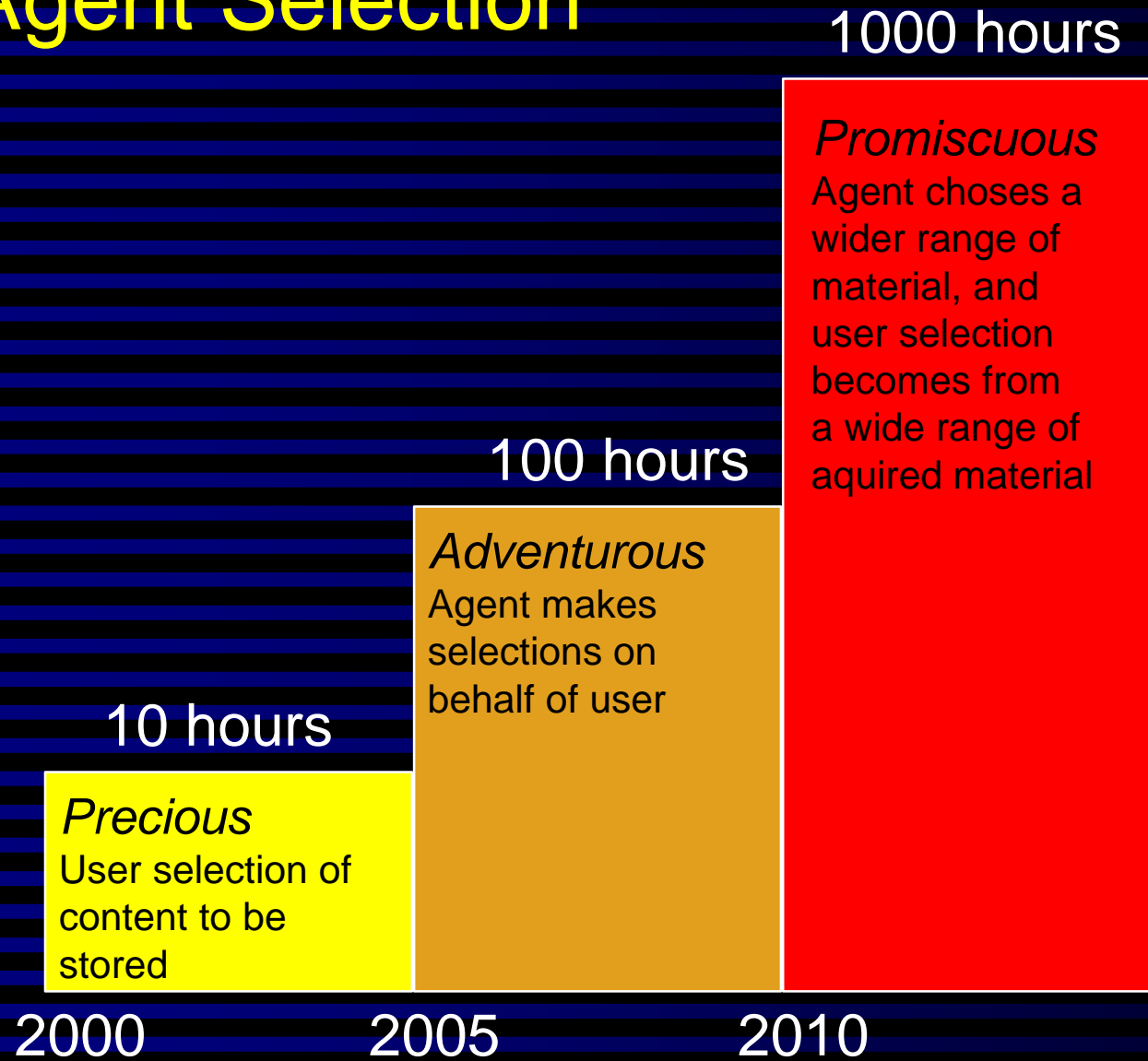
- In the last decade, the capacity/cost ratio has risen by a factor of 100 due to technology / manufacture / volume.
- This trend is reliably predicted to continue for at least the next ten years.
- MTBF figures of 600,000 hours (68yrs) are being claimed today.
- Optical technology can only surpass this and will provide off-line storage.

# Content Acquisition Stages

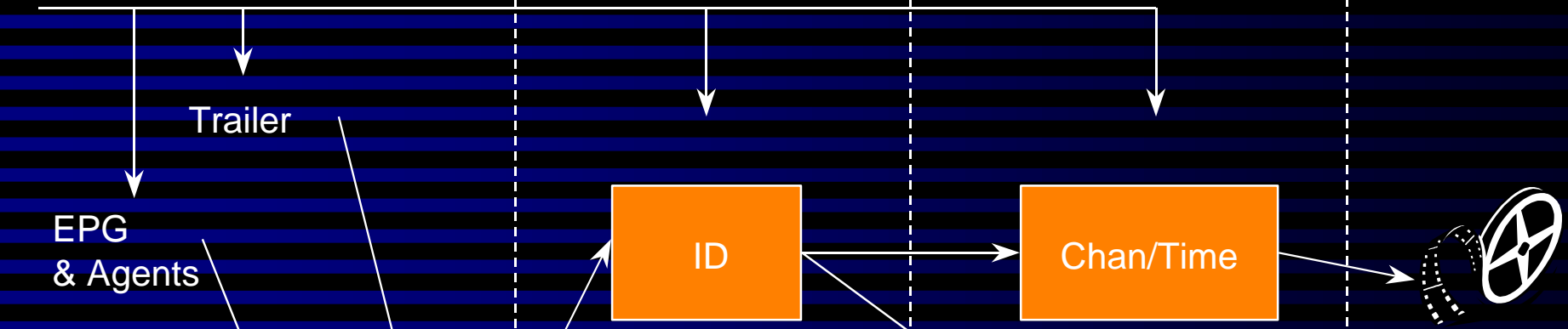
- Selection
- Fulfilment



# Agent Selection



Broadcast Data



Select

Decompose

Resolve

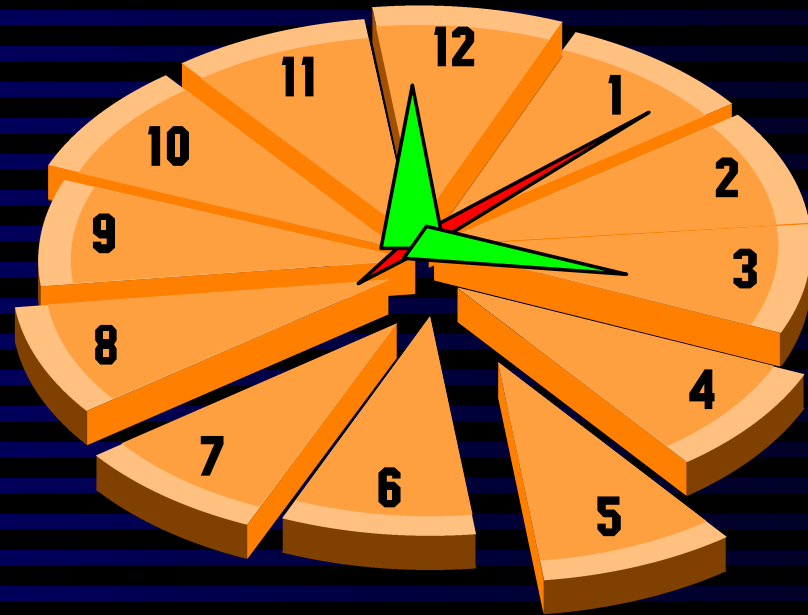
Acquire

# Scenarios

- Scenario development has facilitated communication between DAVIC Technical Committees
- If you understand “*why*” a function is required, then you will better understand “*how*” to achieve it.
- A number of scenarios have been considered so far, but more will be coming.

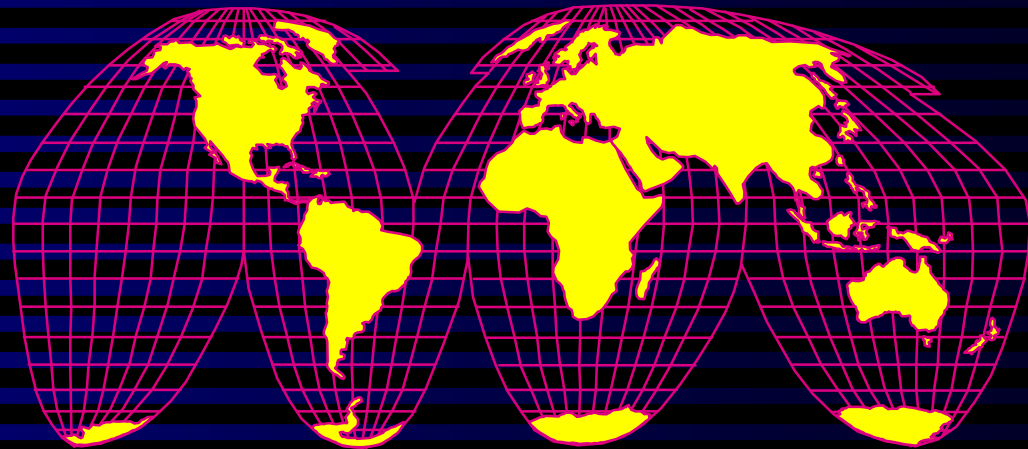
# “TV Anytime” Scenarios

- Broadcast Capture;
  - User Initiated
  - Agent Initiated
- Video File Transfer;
- Web links;
- Segment Jumping; and
- Content Customisation.



# “TV Anywhere” Scenarios

- Home country from hotel
- Foreign broadcast from home
- Special narrowcast
- Mobile access



# To recap - DAVIC 1.5 requires

- Common space/time navigational tools
- Selection mechanisms from Trailers, EPGs and Web Pages by users
- Agent based selection allows “Anytime Services”
- Expansion of IDs for series & serials
- Fulfilment irrespective of channel / time
- Easy use of segmented content
- Access to remote channels using scaleable Internet technologies
- Access to content on remote storage devices
- Local content management systems

Thank You