

Day 1: November 4

08:00 Security Check in main lobby / Name Badge pick-up in foyer of conference room
Coffee / Tea Service available

09:00 **1.0 Introduction** – Morwen Williams, Head, UK Operations, BBC News | Chair, WBU-IMCG

09:05 **1.1 Welcome Remarks** – Helen Thomas, Director, BBC England

09:15 **1.2 End-to-End in the Cloud: Production to Distribution**

This panel will explore three key questions: how to implement live IP production in the cloud, how to guarantee connectivity in terms of service, and how to guarantee low latency (reliability, SLA, etc.).

Moderator: John Lee, WBU Technical Committee Chair | NABA Technical Committee Chair

Panelists:

- Phil Tudor, Principal R & D Engineer, BBC
- Alan Turner, Senior Manager, Sony Europe
- Brian Wynne, Head, Technology Infrastructure, RTE
- Michael Flathers, CTO, IBM Aspera

10:15 Coffee Break

- Blue Room Session (sign-up required)

10:45 **1.3 IP Remote Sports Production**

The transition to LIVE IP infrastructures is an inevitable move. Standardisation activities and interoperability tests are paving the way for concrete implementations. This session will highlight the first experiences of early implementers, their use cases and their operational experiences, and provide in-depth knowledge and guidelines for anyone interested in the move to IP.

Moderator: Hans Hoffmann, Head, Media Fundamentals & Production Technology, EBU

- Short video examples

Panelists:

- Narinder Ball, Operations Executive, BBC Sport
- Joe Collins, Head, Content Exchange, RTL
- Ingebrigt Vibe Lunde, Systems Engineer, TV2 Norway
- Paul Harding, Lead Solutions Consultant, NEP

11:45 Lunch

- Blue Room Session (at 12:30, sign-up required)

13:15 **1.4 CDN Delivery to End-Users**

How to solve the problem of success? Broadcasters must deliver larger files to a rapidly growing online audience that also expects good quality on their big television screens. This session will cover the operational perspective, whether CDN technology/services are commoditized or if we are missing essential technology, but also if we need CDNs to move to new (flat rate) business models.

Moderator: Bram Tullemans, Sr. Expert, Online Services & Broadband Technologies, EBU Technology & Innovation

Panelists:

- Soo Kim, Executive Director, English Services, Media Operations, CBC/Radio-Canada
- Rory McVicar, Director, Product Management - Content Delivery, Transport & IP, EMEA, CenturyLink
- David Karlsson, Development Manager, Streaming, SVT
- Bjarne Myklebust, Head, Distribution, NRK
- Richard Cooper, Controller, Digital Distribution, BBC
- Hervé Creff, Business Development Manager, Broadpeak

- 14:30 Coffee Break
- Blue Room Session (sign-up required)
- 15:00 **1.5 C-Band and Update From WRC-19 as Part of WBU-ISS Report** – Nigel Fry, Director, Distribution, BBC World Service & Cath Westcott, Sr. Distribution Manager, BBC World Service
- WebEx from the frontlines - Walid Sami, Sr. Project Manager, Technology & Innovation, EBU
 - Rob Webber, Distribution Manager, BBC World Service
- 15:30 **1.6 Can C-Band and 5G Co-Exist for International Video Distribution?**
This panel will explore the risks that 5G poses to the international distribution of video by C-Band. It will also address possible solutions to make continued international C-Band distribution viable as 5G develops globally across the multitude of 5G allocations and regulations within the large C-Band footprints. Topics will include potential for 5G interference at various C-Band frequencies, required filters, and potential hybrid terrestrial solutions where interference is present.
- Moderator: Sam Matheny, CTO and EVP, NAB
Panelists:
- Salim Yaghmour, Director, Space Innovation, Intelsat
 - Adi Rozenberg, CTO & Co-Founder, Video-flow
 - Alan Young, CTO & Head, Strategy, LTN Global Communications
 - Nigel Fry, Director, Distribution, BBC World Service
- 16:30 **1.7 BBC Online Technology Presentation**
- 17:00 Close of Day 1

Welcome Reception

- 18:00-19:30 Manchester United Football Club, Evolution Suite, Old Trafford Stadium, Sir Matt Busby Way, Manchester
- 19:30-20:30 Go behind the scenes at the 'Theatre of Dreams' on a Stadium Tour of Old Trafford.

Co-Sponsored by:



Day 2: November 5

- 08:00 Security Check in main lobby / Name Badge pick-up in foyer of conference room
Coffee / Tea Service available
- 09:00 **2.0 Welcome** – Joe Shimizu, Director, Newsgathering, NHK | WBU-IMCG Vice-Chair
- 09:05 **2.1 Newsgathering: Making Content on Your Mobile**
Over the past decade we've watched camera phones develop from a colourful texting gimmick into the most portable, powerful production tool on any content-maker's kit list. Mobile Journalism has matured and earned its place in News deployments – but each broadcaster uses Mojo in different ways.
- Moderator: Judith Moritz, North of England Correspondent, BBC News
Panelists:
- Sara Shepherd, News Editor, MJI Team, UK Ops., BBC News
 - Eleanor Mannion, Video Journalist, RTE
 - Morten Brandstrup, Head, News Technology, TV2 Denmark
 - Karel de Bondt, Media Innovation, VRT
 - Ellis Palmer, Journalist, BBC News
- 10:00 Coffee Break
- Blue Room Session (sign-up required)

10:30 **2.2 Artificial Intelligence (AI): Applications in Broadcasting**

There is ever increasing interest in the use of Artificial Intelligence across many industries, and the broadcasting industry is no exception. The panel will be discussing some of the experiments and new tools which are being developed to make programmes and new services for the audiences including its use in translation services.

Moderator: Judy Parnall, Head, Standards and Industry, BBC R & D | EBU-TC Chair

Panelists:

- Joe Shimizu, Director, Newsgathering, NHK
- Rob McKenzie, Editor, News Labs, BBC
- Stephen France, Media Sales Leader, EMEA, The Weather Company, an IBM Business
- Steinar Søreide, CTO, Mjoll

11:30 **2.3 Future Satellite Connectivity**

Having introduced the first UK DTH satellite services on the BBC TV programme Tomorrow World in 1986, Maggie Philbin, CEO of TeenTech, continues to excite young people with technology. With this panel, Maggie will explore the strengths and opportunities provided by future satellite technologies, with delegates representing very different types of platform. The panel will conclude with considering whether the industry could do more to excite new talent to join it.

Moderator: Maggie Philbin, Broadcaster & CEO, TeenTech

Panelists:

- Gerry O'Sullivan, EVP, Global TV and Video, Eutelsat
- Salim Yaghmour, Director, Space Innovation, Intelsat
- Mike Walsh, Communication Systems Engineer, Methera Global
- Richard Lamb, Director, Occasional Use, SES / O3b mPOWER

12:30 **2.4 Closing Remarks & Announcements**

- **Blue Room Sessions** (@ 12:45, sign-up required)

DEMOS AVAILABLE BOTH DAYS:

LiveU Demo

LiveU will be demonstrating Matrix, its next-generation IP video distribution platform, recently selected by CBS Newspath. Matrix provides a highly efficient content curation service, empowering newsroom managers to quickly and easily give hundreds of affiliates unparalleled access to live feeds from LiveU units in the field and other sources without any interruption, additional resources, or expensive fees. Matrix is also ideal for sports producers looking to live stream events easily and cost-effectively to multiple destinations and TV stations.

Mjoll Demo

Mjoll will give demonstrations of Mimir, the video add-on for broadcast video management systems. Mimir uses many different AI technologies to extract metadata from videos to make it efficient to search in large archives and it also automates video logging and subtitle generation in original as well as translated languages.

Sony Professional Europe Demo

Sony Professional Europe will be demonstrating two cloud-based solutions, "XDCAM Air" and "Virtual Production".

XDCAM Air is a cloud-based news workflow solution that orchestrates the seamless exchange of live video, media files and metadata between field-based camcorders and your news infrastructure whilst Virtual Production is a pay-as-you-go pop up production platform that provides, Vision Mixing, Graphics, ISO replays and Program recording capabilities all from within a web browser.