



***aQ Broadcast Limited***

***“making broadcast magic”***

# aQ Broadcast: Integrated Broadcast Solutions

## ► **Broadcast Workflow Software & Broadcast Engine Hardware**

- We offer a range of software and hardware for use in all areas of media production and broadcasting.
- We design, develop, manufacture and support a wide range of integrated products, including scripting, newsroom, automation & media management software and video server, production & processing hardware.
- We have huge experience of, and passion for, our industry and strive to provide intelligent workflow solutions that offer great flexibility in a variety of environments.
- Our customers include schools, colleges, universities, churches, corporates and Broadcast stations in a range of sizes and markets.
- We also offer **Bespoke Software Development**, enabling media, production and broadcast companies to achieve specific / custom functionality at a viable cost.

# Company Information

- ▶ Formed as a new company in November 2013 after management buyout of Autocue's workflow division.
- ▶ Privately owned and operated – the company is dedicated to developing and supporting its own products and is not constrained, or at risk, as part of a larger corporate group.
- ▶ Based in the UK, but staff in the US and New Zealand help to provide global coverage.
- ▶ All aQ staff were previously with Autocue and have vast experience of the product range and customer base.
- ▶ Current range has foundations in Autocue's original products, but with significant evolution over the last two years.


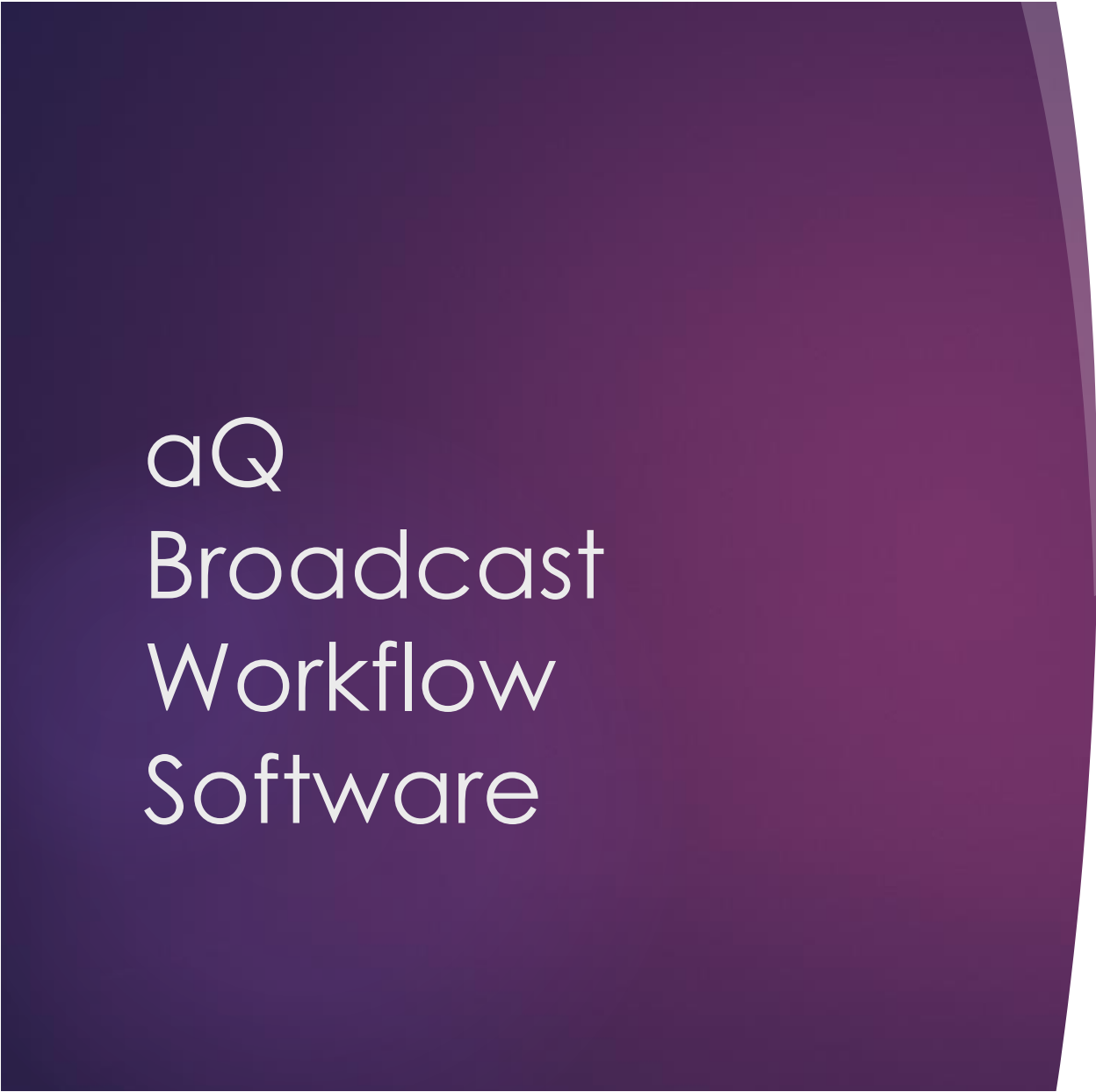
# Integrated Broadcast Solutions

## Broadcast Workflow Software

- ▶ includes scripting, newsroom, automation, media management, transmission, archive, mark-up and data display solutions – benefitting from over twenty years of continuous development.

## Broadcast Engine Hardware

- ▶ a unique platform providing a huge range of broadcast functionality, from basic video server recording, storage and playback to fully-integrated studio and transmission solutions.



# aQ Broadcast Workflow Software

Unique, multi-user scripting tools, proven NRCS for news production at any scale, integrated automation control for broadcast devices, transmission automation and simple media management.

# Broadcast Workflow Software

- ▶ **QNet** offers unique, multi-user, multi-column script production tools, including shot locks, cut lines, scene numbering, camera cards, flexible formatting and optional prompting.
- ▶ **QNews** provides Newsroom Computer System (NRCS) functionality, supporting every type of environment from large national broadcasters down to small two-user systems.
- ▶ **QNews ACC** adds Automation Control Centre functionality for live productions, allowing a range of broadcast devices to be controlled directly from events entered into the rundowns and scripts. Events are prepared by the automation software, but triggered at the required point by an operator.
- ▶ **QScript** is an innovative, award-winning script mark-up tool, allowing the traditional process of printing, annotating, copying and distributing paper scripts to be replaced with tablet PC or touchscreen interfaces. Any annotation can be seen by all users across the network as soon as it is saved.
- ▶ **QTx** provides station automation capability, based on the same database and client system as QNews and the ACC. It offers a very cost-effective solution in an environment where the output consists of both live and pre-recorded program content.
- ▶ **QMedia** offers over-arching media management functionality for ACC and QTx, including ingest, review, deletion, transfer, proxy handling, archive and restore capability.

# QSeries software: QScript

An innovative, award-winning script mark-up tool, allowing the traditional process of printing, annotating, copying and distributing paper scripts to be replaced with tablet PC or touchscreen interfaces. Any annotation can be seen by all users across the network as soon as it is saved.



# QScript Presentation:

- ▶ What is QScript?
- ▶ QScript Advantages List
- ▶ QScript ROI Analysis
- ▶ QScript System Diagram/Hardware



## QScript is:

- ▶ The first and only paperless control room software.
- ▶ It allows the use of a touch screen and stylus (or button box) to control changes to script text, text highlighting and the insertion of hand written instructions into the script.

# QScript Features

- ▶ QScript addresses two major disadvantages of conventional newsroom computer systems
  - ▶ It allows Directors and technical operators to mark up electronic scripts in the same way as they are used to doing with paper
  - ▶ It provides an easy way to view multiple scripts, even while on-on
- ▶ In addition, it can significantly reduce operational costs by reducing paper, toner and maintenance requirements

LEAD PACKAGE BANK ROBBERY - QScript Demo - CNN Frame

File Edit View Format Ink Window Help

L-Nav On-Air - LEAD PACKAGE BANK ROBBERY Preview - LIVE OUT R-Nav

3 LEAD PACKAGE BANK ROBE Singl 4 LIVE OUT

WIPE LIVE (SHAUNA)  
THANKS JASON... POLICE SAY AN  
ARMED MAN WALKED INTO THIS  
BANK TODAY WANTING ONE  
THING--MONEY TO PAY OF HUGE  
GAMBLING DEBTS.  
THAT'S WHAT INVESTIGATORS  
ARE JUST NOW BEING ABLE TO  
UNCOVER.  
BUT SOMETHING WENT WRONG  
AND NOW ONE BANK EMPLOYEE  
IS DEAD.

TAKE PKG  
OUTTRO:  
"...HER NAME WAS  
MICHELE GEVES."

1:03

LIVE DOUBLE BOX

Section Break

Section Break

Double Box  
WIPE

(SHAUNA)  
NOW POLICE DID TELL ME  
TODAY A LITTLE MORE  
INFORMATION ABOUT THE VICTIM.  
SHE'S TWENTY FOUR YEARS OLD  
AND WAS JUST RECENTLY  
MARRIED. SHED BEEN WITH THIS  
BANK FOR TWO YEARS.

WERE LIVE NEAR DOWNTOWN,  
IM SHAUNA LEVMS, BACK TO YOU  
JASON.

Section Break

LIVE OUT

Nav LEAD PACKAGE BANK ROBBERY Nav

Advance Prev Text Ink Pen Eraser Erase All Manual Load A B C viz

Ready English Journal Note Writer CAP 1.1 GB





# QScript operation:

- ▶ Journalists create stories/scripts in their own newsroom computer system (NRCS), for instance iNews, ENPS or Qnews.
- ▶ All editing of scripts is carried out within the NRCS
- ▶ All rundown management is also carried out within the NRCS
- ▶ QScript obtains the script and rundown information for the current programme from the NRCS via its XDGateway, mirroring all changes made there in real time within the QScript user interface. This process can begin hours before the show, allowing the Director and other technical staff to begin preparation much earlier than if they had to wait for paper scripts
- ▶ If a script which has already been marked by the Director is updated within the NRCS, the system warns automatically that it needs to be reviewed again
- ▶ Each user can add markups, either for their own private use or to be visible by all other users. Any public annotation will be seen by all users immediately after it has been saved
- ▶ A hardware button box can be used to move through the scripts – a single advance button can be used to change both the current and next script views
- ▶ Touch-screen and wireless hardware can be used to provide flexible and mobile use for production staff



Number		Title
OFFLIN	A-50	U.S./JAPAN OKINAWA
GRAPHIC: OKINAWA TAKE V/O-----		/ THE U.S. MILITARY WILL GIVE BACK TO OKINAWA ABOUT 20 PERCENT OF THE ISLAND PROPERTY IT USES FOR TRAINING, BUT ONLY A SMALL NUMBER OF AMERICAN TROOPS WILL BE WITHDRAWN, ACCORDING TO DEFENSE SECRETARY WILLIAM J. PERRY. TAKE V/O-----
cg locale Tokyo		HE ARRIVED IN JAPAN / TODAY WHERE HE MET WITH PRIME MINISTER RYUTARO HASHIMOTO. THE LAND RETURN IS THE BIGGEST SINCE THE UNITED STATES RELINQUISHED CONTROL OF THE ISLAND IN 1972. OKINAWA WAS CAPTURED BY U.S. FORCES DURING WORLD WAR II AND REMAINS A KEY TO PROJECTING U.S. AIR, SEA AND LAND POWER IN THE PACIFIC.
Section Break		
U.S./JAPAN OKINAWA [Read Only]		
Number		Title
OFFLIN	02	HEADLINE 2
*ap1 21345 *ap2 21345 *cg 2line Thomas Cadieux Avid, Montreal		THE LARGEST OF THE MCCAUGHEY SEPTUPLETS WAS TAKEN OFF A VENTILATOR AND HELD BY HIS MOTHER FOR THE FIRST TIME TODAY, AND HIS SIX BROTHERS AND SISTERS WERE ALSO / DOING WELL.
/ BOBBI MCCAUGHEY SAID THAT THROUGH HER DIFFICULT PREGNANCY, HER ATTITUDE ALWAYS WAS, "THEY'RE ALL BABIES AND I'M GOING TO HAVE THEM ALL." ((SHOW THE TINIEST BABY ON VENTILATOR)) AND IT WANT TO ADD MORE SCRIPT TO THE STORY... IT TIMES AUTOMATICALLY AS WYOU WRITE MORE STUFFL... YOU'RE ALMOST TO THIRTY SECONDS ... WATCH OUT... GETTING CLOSE.		
cam-1 vtrvo		
HEADLINE 2 [Read Only]		

Advance

Prev

Text

Ink

Pen

Q

Eraser

Erase All

Save

Auto

Load

A

B

C

VIZ

# QScript GUI:

- ▶ Allows the user to activate On Air or Preview panels by touching the windows panel on the screen.
- ▶ Displays at least two complete scripts at a time in two separate panels – an On Air panel for displaying the current on-air script and a Preview panel for displaying the next script to go to air.
- ▶ Allows the user to delete selected or all user notations from the Air or Preview panel using Delete or Delete All buttons on the touch screen.

QSeries Client

File Edit View Format Insert Script Prompt Tools DCI Window Help

On Air Script -

PAGE # 01 SLUG [SAOPEN] ANCHOR [ANN]

\*pilotmas World\_News

\*vid 01795148  
VOIN, Korea Reactor

\*vid 01794528  
VO/Bangladesh Flooding

\*vid 01794790  
VO/TWINS /POST OP

\*anim 200  
Open Animation

ON CAM

====(VO)====  
THE UNITED STATE JOINS AN INTERNATIONAL TEAM LAYING THE FOUNDATIONS FOR ADVANCED NUCLEAR REACTORS IN NORTH KOREA.

====(VO)====  
THE PEOPLE OF BANGLADESH HAVE GROWN USED TO FLOODING.. BUT NOT LIKE THIS.

====(VO)====  
AND DOCTORS WHO SEPERATED CONJOINED TWINS.. SAY THEY WILL KNOW THE OPERATION WAS A SUCCESS.. WHEN THEY SEE THE BABIES SMILE.

====(ANIMATION)====  
(--ON CAM--)  
HELLO AND WELCOME TO WORLD NEWS...  
I'M ANAND NAIDOO

Preview Script -

PAGE # 02 SLUG [NWS-IRAQ] ANCHOR [ANN]

ANN ON CAM

\*CG WORLD2  
ANNAN TELLS IRAQ IT MUST ACCEPT COUNCIL RESOLUTIONS

\*VID 01794762  
SOT NEGAPONTE  
TRT :18  
OC: SECURITY COUNCIL RESOLUTIONS

\*cg WORLD2  
John Negroponte  
U.S. Ambassador to U.N.

ANN ON CAM

\*pilotmas OUT: GERHARD SCHROEDER/GERMAN CHANCELLOR

====(ANN OC)====  
U-N SECRETARY-GENERAL KOFI ANNAN HAS TOLD IRAQ IT MUST ALLOW THE RETURN OF WEAPONS INSPECTORS, IN LINE WITH EXISTING SECURITY COUNCIL RESOLUTIONS.

THE U-N AMBASSADOR TO THE U-N ECHOED ANNAN'S POSITION.

=={(SOT)}==  
TRT :18  
OUT...security council resolutions

====(ANN ON CAM)====  
WHILE U-S OFFICIALS DISCUSS POSSIBLE MILITARY action against IRAQ - GERMANY'S CHANCELLOR GERHARD SCHROEDER WARNS THAT AN ATTACK ON IRAQ COULD jeopardize THE counter-terror campaign.

=={(pilot)}==  
IN A LETTER TO A leading NEWSPAPER, MISTER SCHROEDER WROTE:  
I WARN AGAINST AN ATTACK ON IRAQ.

IT WOULD NOT BE THOUGHT AS DEFENSIVE AND COULD DESTROY THE INTERNATIONAL COALITION.

THE MIDDLE EAST NEEDS PEACE, NOT A NEW WAR.

Users: Helen

For help, press F1

Users: helen3

Helen English

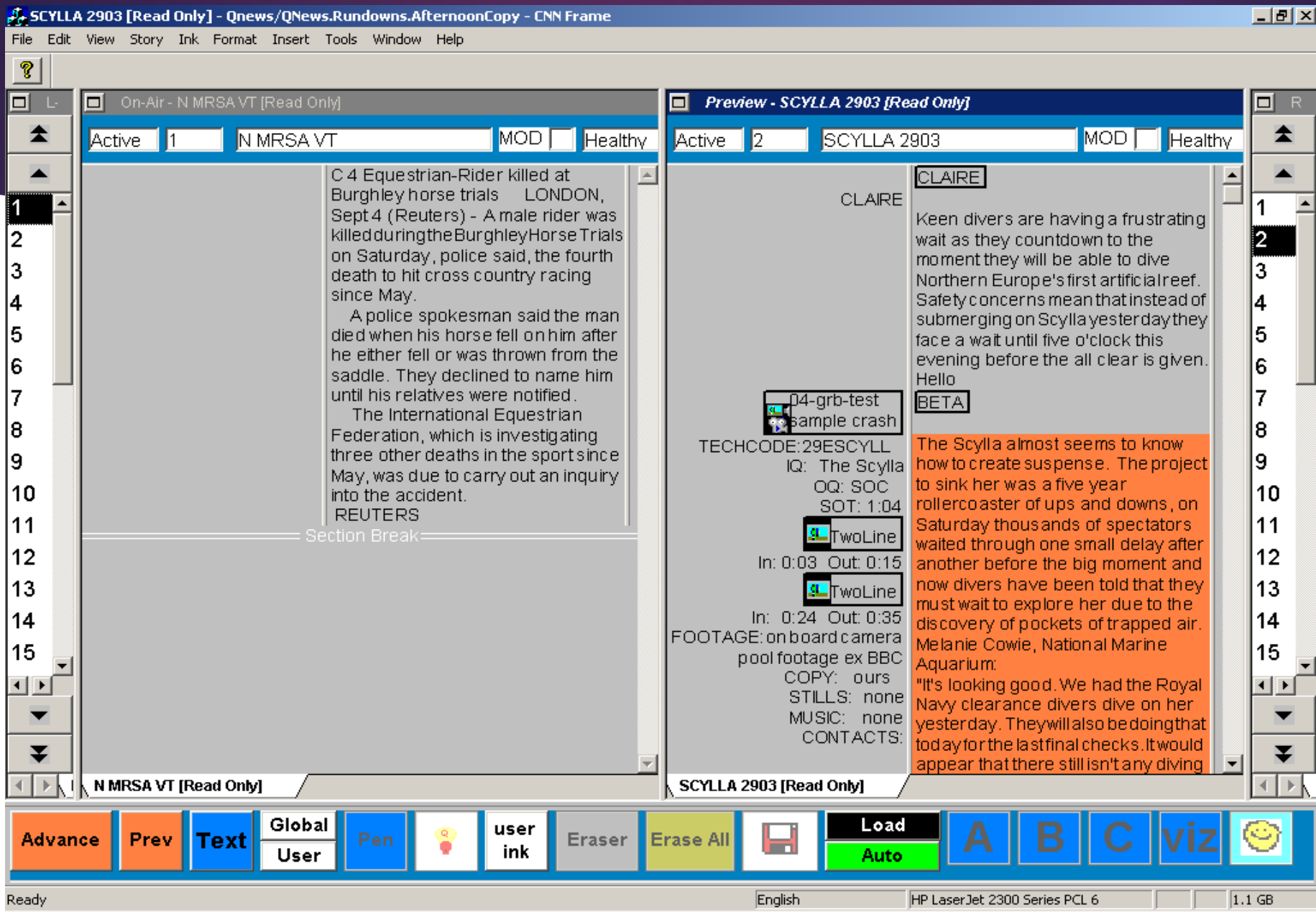
NUM [CAP] [NWS] 218,536 KB





# Operational Modes:

- ▶ AUTO mode - the default. In AUTO mode, when the user advances the On Air script, the Preview script automatically advances to the next script.
- ▶ Manual mode - If at any time the user manually changes the script in the Preview panel, he switches into Manual mode. The two panels are now independent of each other and will not advance together.



# Script Navigation options:

- ▶ Advance through scripts using arrow keys on the touch screen
- ▶ Advance through scripts using arrow keys on button box (example box shown on next slide)
- ▶ Go to a specific script by touching its Rapid Navigation Button on the touch screen
- ▶ Advance key will advance script when system is in the AUTO mode
- ▶ Arrow up and down keys will advance scripts while in manual mode on Preview panel
- ▶ Top key will take user to the first script of show
- ▶ Bottom key will take user to the last script of show



# QScript ROI Analysis

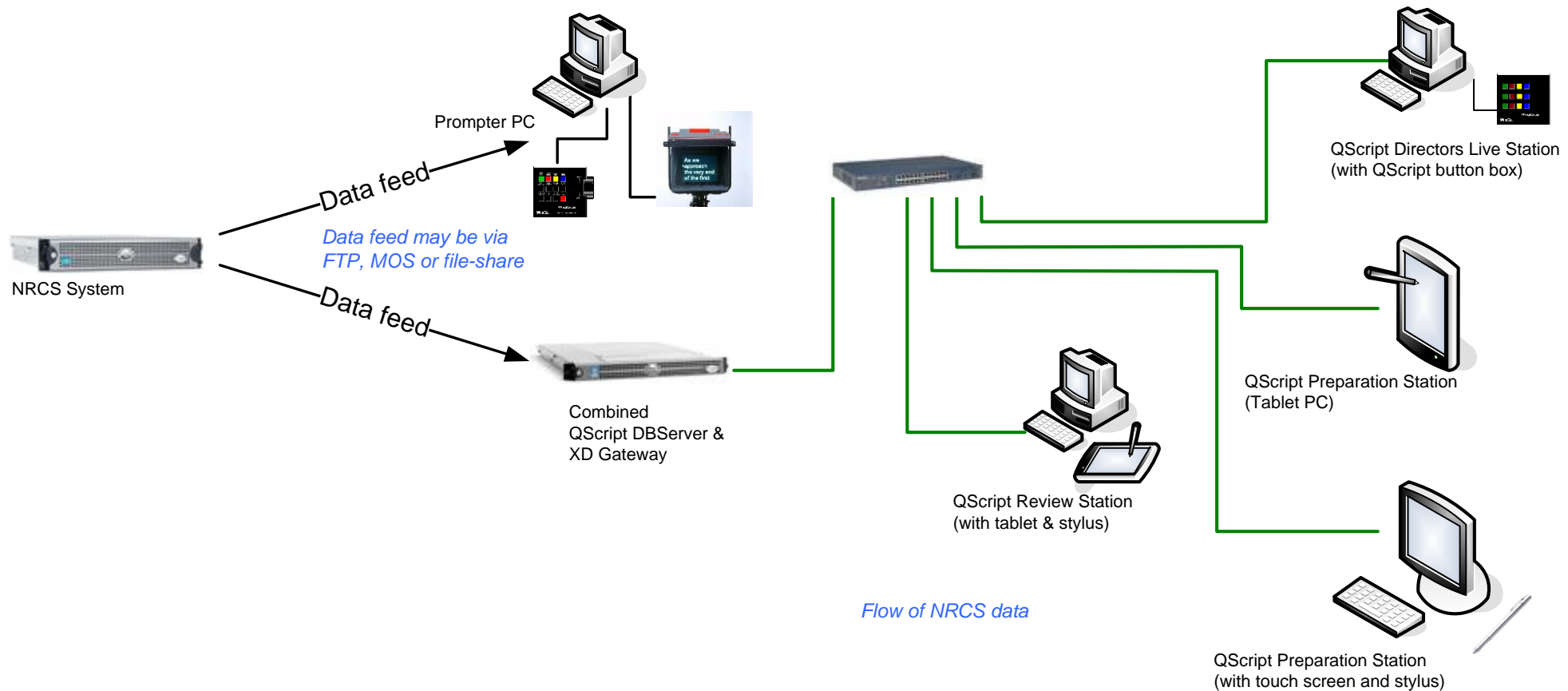
- ▶ Five main areas of tangible savings:
  - ▶ Paper - The average small, medium and large market station can reduce traditional paper usage by anywhere from 1/2 to 2/3 of current usage.
  - ▶ Printers
  - ▶ Printer Ink/Toner Cartridges
  - ▶ Printer Maintenance
  - ▶ Labor Reduction (Production Assistants / Runners)



# QScript ROI Analysis

- ▶ Also many intangible savings:
  - ▶ Directors no longer need to wait before air to begin the mark-up and printing of scripts
  - ▶ New or amended scripts appear automatically
  - ▶ Directors can easily preview scripts and their order in advance of air.
  - ▶ During commercial breaks, directors can preview and mark scripts ahead in the programme as required
  - ▶ Rundown management of scripts, including deletions, is automatically and dynamically updated
  - ▶ A cleaner working environment; scripts would now appear on a touch screen monitor or wireless tablet, ideally suited to mobility and space saving - no paper clutter
  - ▶ On-air talent can utilize QScript at the anchor desk

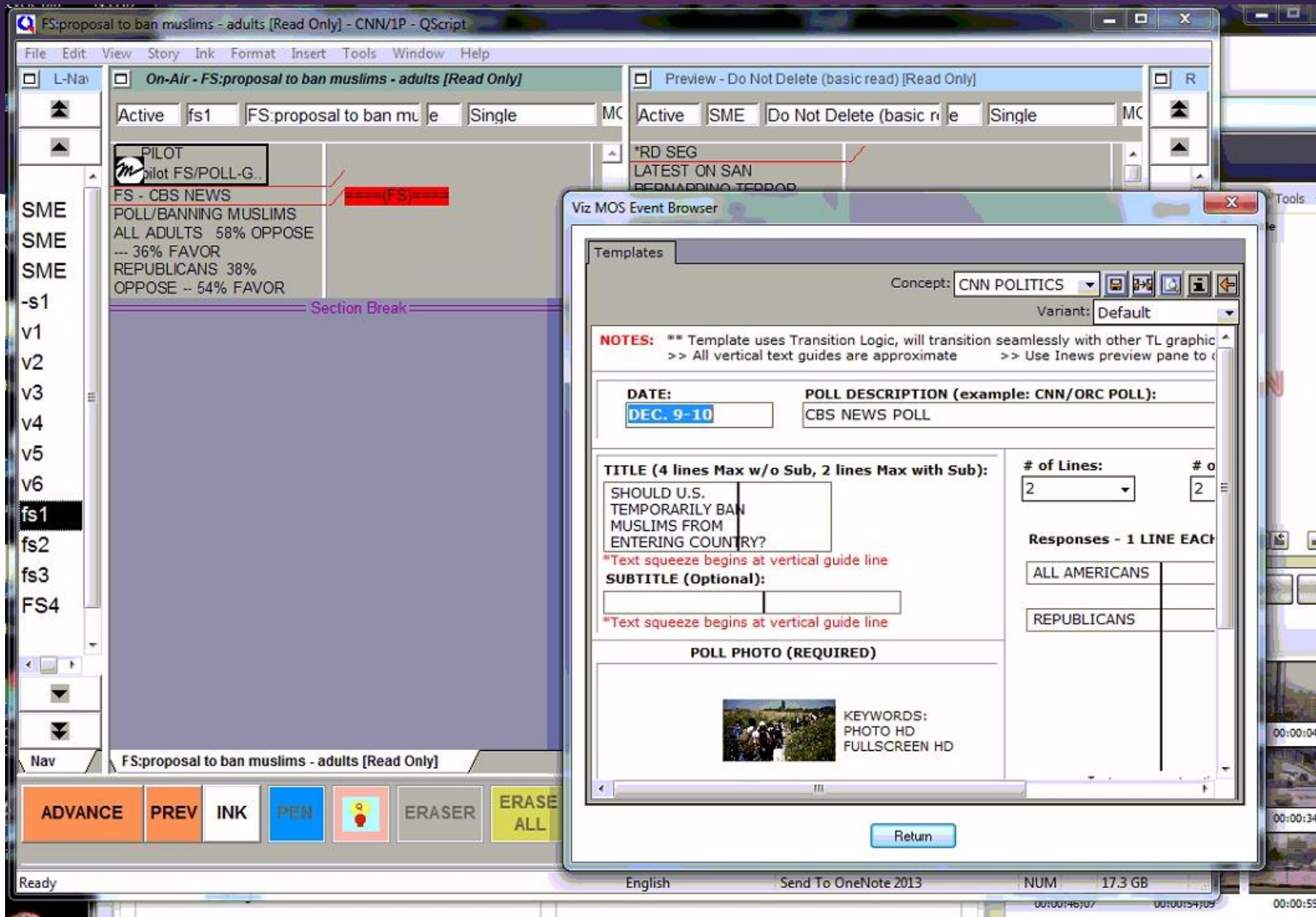
# Outline System Diagram



Screenshots  
from CNN's  
system follow:

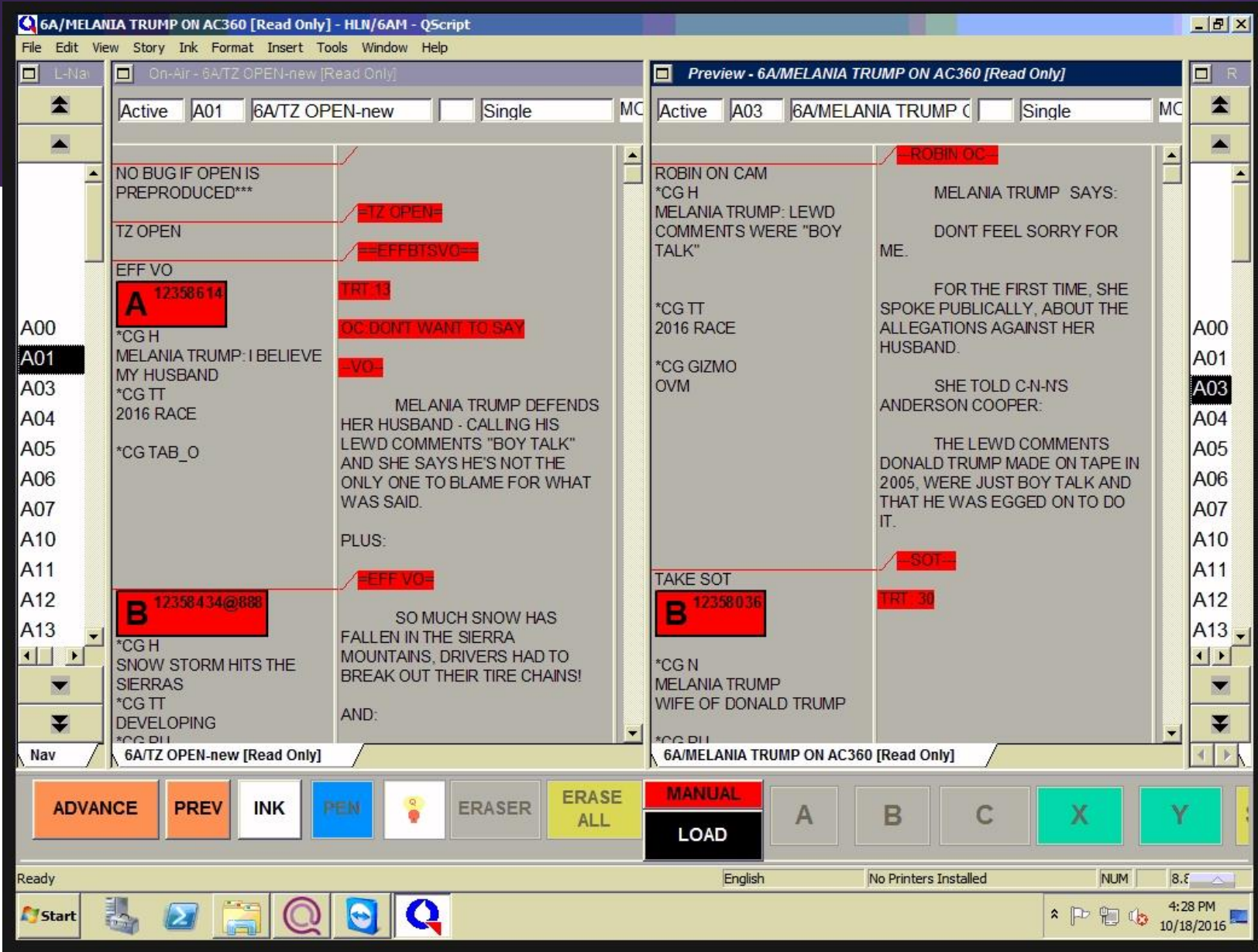






Example showing a Viz MOS event, originally entered in iNews, which has been invoked from QScript

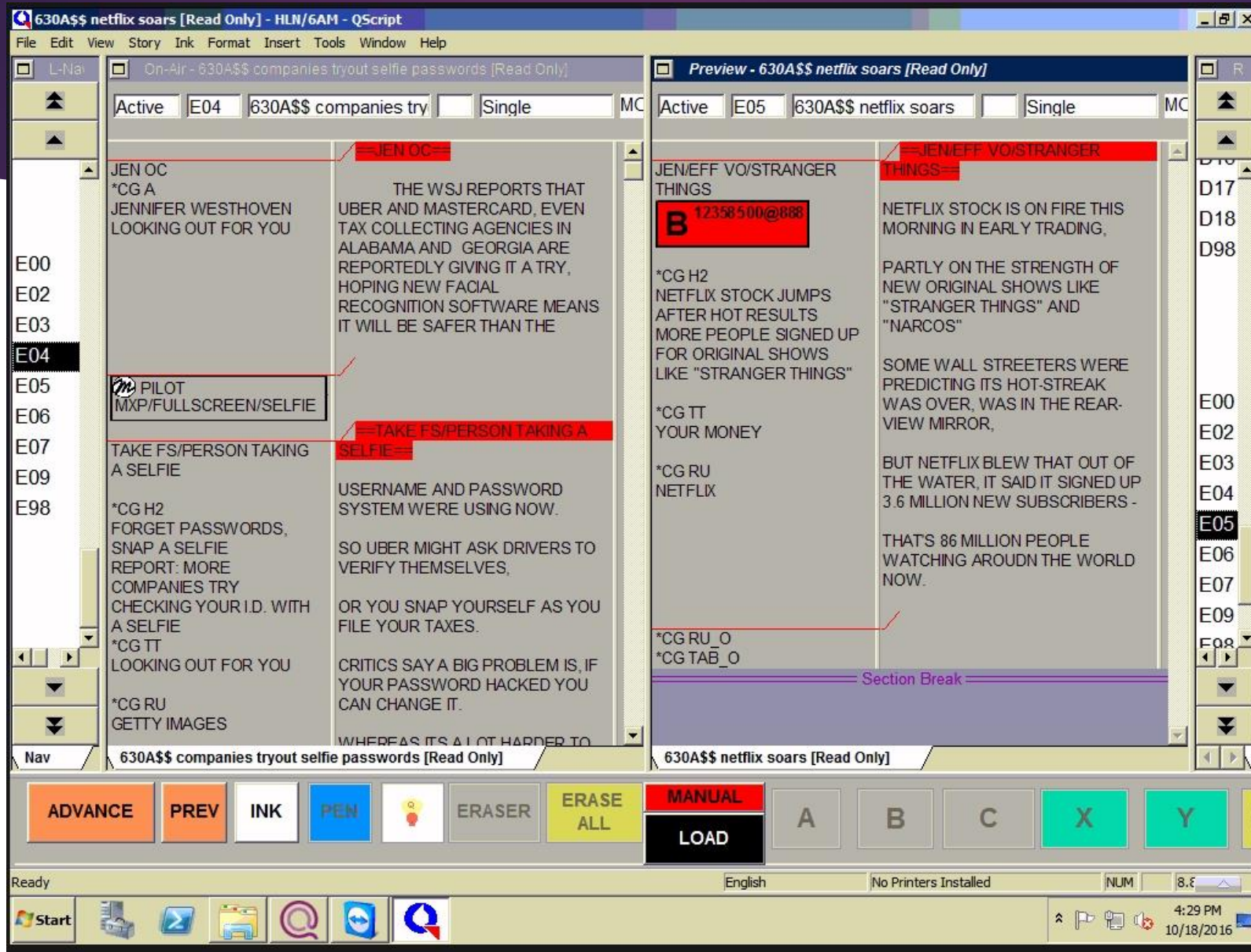




Example showing video clip events – once active, these will also display channel and timecode information

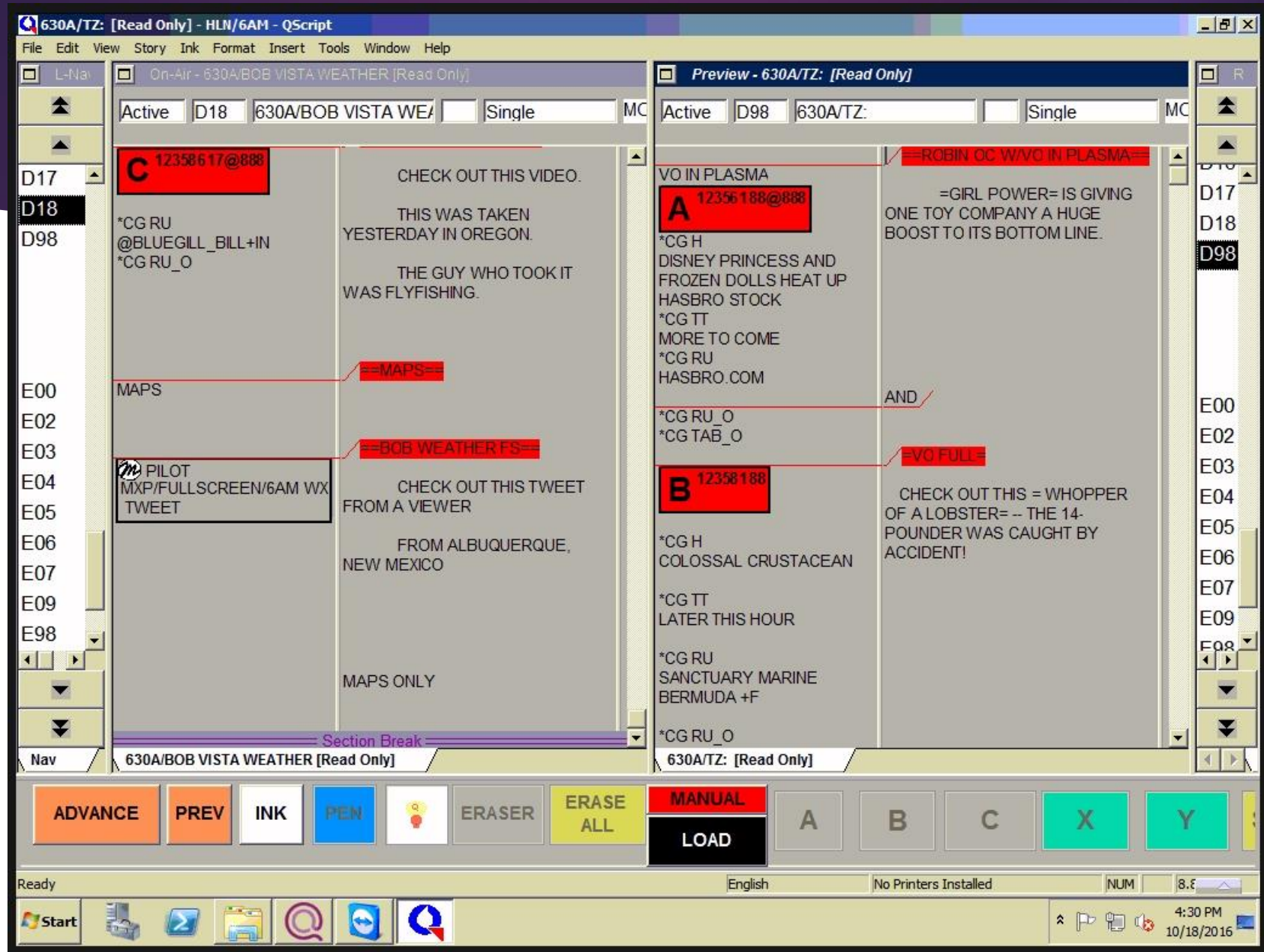






Example showing a Viz MOS event on the left-hand side of the script







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