

NRCS 2005

Executive Summary

Introduction/

1 What is News? What is NRCS?

1.1 Historical Perspectives

1.1.1 The BASYS/Newstar/iNews story

1.1.2 The ENPS Story

1.1.3 The Rest

1.2 Trends in broadcast journalism

1.2.1 Faster/better/cheaper

1.2.2 More for less

1.2.3 Multiskilling

1.2.4 New delivery/publishing options

1.3 How working practices have changed

1.3.1 Dis-demarcation

1.4 How new technology is affecting broadcast news

1.4.1 "Convergence"

1.4.2 Delivery options

1.4.2.1TV

1.4.2.2Internet

1.4.2.3Mobile Phones & PDAs

2 The NRCS Landscape

2.1 *Journalism Operational Functions*

2.1.1 Planning/Diary/Assignments

2.1.1.1 "Event" management

2.1.1.2 Calendar Management

2.1.1.3 Resource allocation

2.1.1.4 Story status displays

2.1.1.5 Alarms and reminders

2.1.2 News agencies

2.1.2.1 Supported formats

2.1.2.2 Priority levels

2.1.2.3 Category parsing

2.1.2.4 Forward search/keywording

2.1.3 Other sources

2.1.3.1 Fax

2.1.3.2 Internet

2.1.3.3 Document scanning

2.1.3.4 SMS

2.1.4 ENG/Field Operations

2.1.4.1 Remote access

2.1.4.1.1 *Newsroom functions*

2.1.4.1.2 *File/media upload*

2.1.4.1.3 *Browse archive material*

2.1.4.1.4 *Communications*

2.1.5 Ingest and Metadata

2.1.5.1 Scheduling tools

2.1.5.1.1 *Automated ingest*

2.1.5.1.2 *Visible ingest status display*

2.1.5.2 Ingest tools

2.1.5.2.1 *Automatic or manual recording*

2.1.5.2.2 *Monitor incoming/recorded images/sound*

2.1.5.2.3 *Route ingest directly to air*

2.1.5.3 Metadata creation tools

2.1.5.3.1 *Scene change detection*

2.1.5.3.2 *OCR for captions/titles*

2.1.5.3.3 *Other metadata “scavenging” tools*

2.1.5.3.4 *Thesaurus*

2.1.5.3.5 *Naming conventions*

2.1.5.3.6 *Enforced story title consistency*

2.1.6 Searching and Retrieval

2.1.6.1 Search tools

2.1.6.1.1 *Boolean*

2.1.6.1.2 *Wild Cards*

2.1.6.1.3 *Proximity*

2.1.6.1.4 *Fuzzy Logic*

2.1.7 Browsing

2.1.7.1 Encoding/transcoding at lo-res

2.1.7.2 Browse incoming material as it comes in

2.1.7.3 Search/navigate options

2.1.7.4 Browse already-transmitted material

2.1.8 Editing

2.1.8.1 Shotlisting

2.1.8.2 Low-res “cuts-only”

2.1.8.3 EDL creation

2.1.8.4 Hi-res “craft” editing

2.1.8.5 Conforming of desktop editing

2.1.8.6 “Reverse conform” of edits originated at hi-res

2.1.9 Scriptwriting

2.1.9.1 Script layout

2.1.9.1.1 *Left-right*

2.1.9.1.2 *Multiple Columns*

2.1.9.2 Item Timing

2.1.9.2.1 *Word Count*

2.1.9.2.2 *Other timing mechanisms*

2.1.9.3 Synchronized or co-ordinated scripting and editing

2.1.9.4 In-script event creation, previewing and triggering

2.1.9.4.1 *Video*

2.1.9.4.2 *Audio*

2.1.9.4.3 *Graphics*

2.1.9.4.4 *Other*

2.1.10 Graphics

2.1.10.1 Captions “lower thirds”

2.1.10.2 Subtitles

2.1.10.2.1 Translation

2.1.10.2.2 For the deaf

2.1.10.3 Stills

2.1.10.4 CGI (i.e. maps, charts)

2.1.10.5 Integration into script

2.1.11 Voiceover Recording

2.1.11.1 Scripting

2.1.11.2 Recording at the desktop

2.1.11.3 Conformation procedures

2.1.12 Rundown Management

2.1.12.1 Token or placeholder creation

2.1.12.2 Dummy/real timings

2.1.12.3 Order changes

2.1.12.4 “Floating” items

2.1.12.5 Variable views according to user/workstation

2.1.12.6 Status displays

2.1.13 On Air

2.1.13.1 Show timing

2.1.13.1.1 Timing displays

2.1.13.1.2 Over/under

2.1.13.1.3 Count up/Count down

2.1.13.2 Automation

2.1.13.2.1 Event triggering for supported devices

2.1.13.2.2 List of supported devices

2.1.13.2.3 List of supported standards

2.1.13.2.4 Gallery triggering equipment (VDU/Control pad etc)

2.1.13.2.5 Triggering methods (i.e. prompter)

2.1.13.2.6 Integration tools (i.e. MOS)

2.1.13.3 Prompting

2.1.13.3.1 Integrated or download

2.1.13.3.2 Supported Systems

2.1.13.3.3 Update mechanisms

2.1.13.4 Closed Captioning

2.1.13.4.1 Script/voiceover download

2.1.13.4.2 Synchronized deliver

- 2.1.14 Reuse/repurposing
 - 2.1.14.1 Other bulletins
 - 2.1.14.2 Other media
 - 2.1.14.3 Teletext
 - 2.1.14.4 Web Publishing
 - 2.1.14.5 Other delivery/publishing tools
 - 2.1.14.6 iTV synchronization
- 2.1.15 Archiving
 - 2.1.15.1 Short/medium/long
 - 2.1.15.2 Manual/automatic
 - 2.1.15.3 HSM options
 - 2.1.15.4 Keywording/indexing
 - 2.1.15.5 Search Tools
 - 2.1.15.6 Retrieval tools
- 2.1.16 Communications
 - 2.1.16.1 Mail
 - 2.1.16.1.1 Internal*
 - 2.1.16.1.2 POP/SMTP*
 - 2.1.16.1.3 Outlook integration*
 - 2.1.16.2 Live Messaging
 - 2.1.16.2.1 To users by name*
 - 2.1.16.2.2 To groups*
 - 2.1.16.2.3 To physical workstations*
 - 2.1.16.2.4 Storage of sent/received messages*

2.1.16.3 Notifications

2.1.16.3.1 Arrival of relevant new material

2.1.16.3.2 Status changes

2.1.16.3.3 Changes to files/stories

2.1.16.3.4 To groups

2.1.16.3.5 To individuals

2.2 System Qualities

2.2.1 Operating System

2.2.1.1 Server

2.2.1.2 Client

2.2.1.2.1 Thick client

2.2.1.2.2 Thin client

2.2.1.2.3 Windows

2.2.1.2.4 Macintosh

2.2.2 System Architecture

2.2.2.1 Networking options and standards supported

2.2.2.2 Client-Server

2.2.3 Database

2.2.3.1 Proprietary or 3rd Party

2.2.3.2 Integration/interoperability potential

2.2.3.3 Import/export tools and standards supported

2.2.3.4 Management tools

2.2.3.5 Database lifecycle (purging, etc)

2.2.3.6 Database maintenance requirements (i.e. maintenance requiring downtime)

2.2.4 File Management

2.2.4.1 File Format options

2.2.4.1.1 Header vs. text

2.2.4.1.2 Header field options/attributes

2.2.4.1.3 Move/copy behaviour options

2.2.4.2 File action automation options

2.2.4.3 Multimedia options

2.2.4.4 Personal vs. Public files

2.2.4.5 Kill/Purge options

2.2.4.6 File Locking

2.2.5 Search engine

2.2.5.1 Indexing

2.2.5.2 Search Tools

2.2.5.3 Variable results display

2.2.5.4 Integration capability

2.2.6 User interface

2.2.6.1 Word processing

2.2.6.2 Variable views

2.2.6.3 Programmable function keys

2.2.6.4 Macros

2.2.6.5 Integrated Web Browser

2.2.7 Printing

2.2.7.1 Printing options

2.2.7.1.1 *Network/local*

2.2.7.1.2 *Supported/unsupported printers*

2.2.7.2 Profiles/Styles

2.2.7.2.1 *Document formatting*

2.2.7.2.2 *Script formatting*

2.2.7.2.3 *Camera Cards, etc*

2.2.8 System Integration/Interoperability potential

2.2.8.1 UI level

2.2.8.2 Database level

2.2.8.3 System level

2.2.8.4 Supported Standards

2.2.9 Internationalization

2.2.9.1 UI level

2.2.9.2 Database level

2.2.9.3 Unicode Support

2.2.9.4 Languages supported

2.2.9.5 Multiple concurrent language support

2.2.9.6 Display and Sort order

2.2.10 System Security

2.2.10.1 Redundant architecture

2.2.10.2 Fail-safe operations

2.2.10.3 Alarms and notifications

2.2.11 Database Security

2.2.11.1 Edit-locking

2.2.11.2 Disk/database mirroring

2.2.11.3 Back-up/restore

2.2.11.4 Story versioning

2.2.11.5 Audit Trail

2.2.12 User management and Security

2.2.12.1 Password disciplines

2.2.12.2 Read-write access security

- 2.2.12.3 Command and function permissions
- 2.2.12.4 “Authorization” or approval mechanisms
- 2.2.12.5 By user or by physical workstation
- 2.2.12.6 User Profiles
- 2.2.12.7 User Groups
- 2.2.12.8 Management tools
- 2.2.13 System Scalability
 - 2.2.13.1 Smallest to largest
- 2.2.14 Local Parameterization and Control
 - 2.2.14.1 System management
 - 2.2.14.2 Operational control
 - 2.2.14.3 Software upgrades
- 2.2.15 Component architecture
- 2.3 *Service Elements*
 - 2.3.1 Support Levels
 - 2.3.1.1 “Superuser”
 - 2.3.1.2 First Line
 - 2.3.1.3 Second-line
 - 2.3.2 Enhancements
 - 2.3.2.1 Road Map
 - 2.3.2.2 Bespoke
 - 2.3.2.3 Legacy support (i.e. previous versions)
 - 2.3.2.4 Pricing Policies
 - 2.3.3 Consultancy
 - 2.3.4 Training

2.3.4.1 Courses

2.3.4.2 Applications

2.3.5 Documentation

2.3.5.1 Manuals

2.3.5.2 Training Documentation

2.3.6 User Groups

2.3.7 Website facilities

3 Associated Technologies

3.1 *Digital Asset management*

3.2 *Rights Management*

3.3 *Resource Management*

3.4 *Automation*

3.5 *Graphics Systems*

3.6 *Audio*

3.7 *Speech detection/recognition/synchronization*

3.8 *Traffic and Billing*

4 NRCS Players

4.1 *Avid iNews*

4.2 *AP/ENPS*

4.3 *Octopus*

4.4 *Autocue*

4.5 *Dalet*

4.6 *Gilda*

4.7 *Ardendo*

4.8 *US-only vendors*

4.9 *Asia-only Vendors*

4.10 *Home-builds*

4.11 *Others*

5 Reference Lists

6 Selected Case Studies

7 Pricing policies

8 Prospects for the Marketplace

9 How to run an NRCS Project