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ARCHIVING SOLUTIONS

Choosing the right storage solution depends above all on knowing what supports are available. This is the reason for this rundown on the four most commonly used supports in the broadcasting world.

CD:

- storage capacity of 640 Mb (5.5 in packed mode at 256 Kbits / 55 minutes in linear mode).
- low cost
- advantages: support that is quick to record and play
- disadvantages: low capacity, disks to be changed by hand

The CD is recommended for temporary and/or personal archiving. It is suited to small radio stations or for a specific usage (e.g. on-air **logging**)

JAZ:

- storage capacity of 1 or 2 Gigabytes (8.5 or 17 hours of sound in packed mode at 256 Kbits / 1.5 or 3 hours in linear mode)
 - rather expensive
 - advantages: support that is quick to record and play
 - disadvantages: unreliability of the cassettes which deteriorate rather quickly, cassettes to be changed by hand
- JAZ is recommended for rotational archiving for a short period.

SONY DMS B35:

- storage capacity: 30 cassettes of 40 Gigabytes, i.e. 1.2 Terabytes (10200 hours of sound in packed mode at 256 Kbits / 1700 hours in linear mode)
- rather expensive
- advantages: storage capacity, high quality cassette, virtually no handling
- disadvantages: cost, slowness of data recording and play (a bit less than 3 minutes to load a cassette)

Despite these disadvantages, DMS B35 is an excellent solution for radios requiring a large storage capacity. It is mainly used for medium- and long-term archiving and for items with a low restoration rate.

SONY PETASITE:

- storage capacity of 120 to over 260 cassettes of 40 Gigabytes, i.e. 10 Terabytes (over 88400 hours of sound in packed mode at 256 Kbits / over 14700 hours in linear mode)
 - high cost
 - advantages: storage capacity, high quality cassette, virtually no handling
 - disadvantages: cost, slowness of data recording and play (about 3 minutes to load a cassette)
- PetaSite is highly reliable and is the solution for large storage capacity requirements. It is mostly used for long-term archiving and for items with a low restoration rate. It is recommended for global sound library archiving or for changing all archives into digital.
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RADIO-ASSIST WIDENS ITS RANGE

Now it is associated with Audio Follow, NETIA has a very wide range of digital audio software programs for radios. The arrival on the market of highly developed products such as ODYSSEY and DIRECTOR is a demonstration of the value of this combination of skills.

DIRECTOR or the art of modelled scheduling

NETIA's new strength lies in its ability to respond to all requirements, whatever the size of the radio. With its new broadcasting preparation product, **Director**, NETIA can now offer a set of modules to meet specific demands. This is the purpose of **Feder-All**, especially designed for 'network head' radios. The design and development of Feder-All started at Audio Follow, and it is the accomplishment of lengthy in-depth thinking on the programming and scheduling work which goes on every day at radio stations. The existence of several modelling levels for building a template or playlist has done away with tiresome repetitive tasks. The strength of this tool lies in its capacity to merge all the music, commercial and news playlists into a single global playlist. Feder-All is the tool of tomorrow, integrating all the new multiple broadcast technologies, at the same time for one or more radio stations and on different levels of associated data: Audio, Text, RDS, SMS, HTML, DAB, etc. The purpose of Director is to simplify preparation of a perfect broadcast. Several security systems ensure immediate and transparent intervention in case of failure: manual or automatic smoothing of constraints in all schedule templates, simultaneous update of information on all on-air monitoring workstations and supervision of workstations in operation.

ODYSSEY, or broadcasting excellence

In like manner, Odyssey is a set of broadcasting modules to meet specific requirements. **Air-DDO** is a broadcasting tool designed for 'network head' radios. Radios being ever more demanding in terms of multiple broadcasting, there are four on-air and one playback outputs available at the same time. It is built with Feder-All and all daily **dynamic additions** are made by drag & drop from different workstations (editing, station head, editorial desk, etc). There are other broadcasting tools for other work modes: Air-Playlist is ideal for overnight music programmes, Air-Hotkey gives direct access to 96 spots or jingles, etc. The presenter in the studio can change from manual to automatic mode whenever necessary, and is always free to modify the programme on air, to play the next item, to read any related text or video information, and so on.

Reconstitution of a true 'On-air' studio and Live broadcasting on [www .radio-assist.com](http://www.radio-assist.com)

For AES 2000, NETIA reconstituted a radio world, including a proper broadcasting studio visitors could try out and test as they liked. The entire broadcast was then retransmitted via the Internet from the www.radioassist.com site.

The Nétia Radio-Assist range can be used to manage all stages of radio work from sound production to broadcasting. New functions help the user to send out information via the Internet.

NETIA's aim is to provide a complete solution comprising hardware, software and hosting, and so this year demonstrated the development and hosting of a site with live broadcasting of events on the NETIA stand. The site is www.radioassist.com and is a demonstration of the combined qualities of NETIA products and the UUNET bandwidth (NETIA distributes UUNET, world leader on the business Internet). A major innovation on this site is 'Backstage' where the surfer can use video to join in demonstrations and events live on the NETIA stand. The event will be retransmitted in MPEG4 format.