

# The outline of "NHK Archives"

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## 1. Basic concept

"NHK archives" has two functions. One is "Mission Critical business" and the other one is "Exhibits and Public Service"

## 2. "Mission Critical business"

"Mission Critical business" has three systems. They are "preservation system", "retrieval system" and "delivery system".

### (1) preservation system

Now, at NHK contents are preserved in broadcasting center and nation-wide stations. They are approximately 1.5 million reels. Tokyo head office manages to preserve approximately 600 thousand reels. We will share the contents when "NHK archives" opens.

In "NHK archives", we will preserve TV programs, TV news, Radio programs, Old news films, program films, photos, etc. that we are handled in the Tokyo head office. Maximum capacity of "NHK archives" will be 1.8 million reels, estimated by today's video tapes, 15 years after opening. On the other hand, in broadcasting center, we will keep and store preview VHS tapes and TV news files up to within 10 years. Maximum capacity of the broadcasting center will be 200 thousand reels.

We plan to adopt "an electrically activated shelf" through computer management. Audio-visual contents which we already have, are preserved without changing the materials that were broadcasted. But we will convert analog media, like 1 inch Video tape, to digital media, when we copy or distribute it.

### (2).Retrieval system

We construct "general database" which manages character information (script, caption, rights information, program information) and pictures for the search.

Users (re-searcher, librarian, program director, reporter, etc.) can use "general database" at their desk. Also, high compression rate pictures and character information are retrieved from broadcasting stations throughout the country.

### (3).Delivery system

A supply of contents cooperates with both systems ("preservation" and "retrieval"). We pursue "Easy to use".

A demand of contents works through a network from personal computer, and an image data

is sent to the broadcasting center in public digital circuit (Optical fiber network) from "NHK archives".

### 3. Growth Estimation of the Storage

I will now change to a topic of increase in prediction of audio-visual materials. We predict 38 thousand audio-visual materials increase for preservation per year, estimated by today's video tapes.

Primary factor for future increase

- BS digital broadcast will start in the end of 2000.
- Digital Hi-Vision broadcast will start in 2007.
- We will expand to preserve un-edited material tapes of TV programs.

We will need extra space for preservation by at least 2018, estimated by today's video tapes, when it is 15 years later after opening. In the future, we will lack space for preservation. Therefore we hope to convert present medium to a general-purpose small-sized to medium size in the early stage. For example, we are thinking about switching preview tapes to optical disks.

### 4. "Exhibits and Public Service"

In 'NHK archives', we drive forward "Multiple-usage". Then, in order to realize public service and contribute contents to the public, we will prepare "Exhibits and Public Service".

There are "NHK Archives" and neighboring facilities in "Saitama Kawaguchi Intelligent Park" which use to be the radio transmission site of NHK. There are two kinds of facilities for "Exhibits and Public Service" in the building of "NHK archives". One is the collaboration of the local government and NHK. They will jointly build 'TV program library for the public' and 'training room for the people in the audio-visual industry. The other one is the original one of the local government. It will have the facilities for 'studio', 'image hall', 'visit and exhibit'. Their facilities are located in the same building.

Finally, let me say this point. NHK archives and local government will jointly build various facilities in the same building. ( Hall or exhibits and visitor space, private office for images and visuals, etc. ) These facilities are made available as at a low price for production support, and training.