



The Interactive-Music Network

DE7.1.2 Dissemination

Version: 1.5

Date: 21/06/2005

Responsible: DSI

Project Number: IST-2001-37168
Project Title: The Interactive-Music Network
Deliverable Type: Report
Visible to the Working Groups: all
Visible to the Public: yes

Deliverable Number: DE7.1.2
Contractual Date of Delivery: 30/06/2005
Actual Date of Delivery: 21/06/2005
Title of Deliverable: Dissemination
Work-Package contributing to the Deliverable: WP7
Nature of the Deliverable: public report
Working Group: all
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Abstract:

This document is a report of activities of dissemination of MUSICNETWORK planned during the project and gives an overview of the planned activities for the period after the end of the project.

Keyword List:

Dissemination, promotional content, document, articles, material, workshops.

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1 Executive Summary and Report Scope

This document is a report of past activity of dissemination of the MUSICNETWORK and gives an overview of the planned activities for the next period, up to the closure of the project.

To this end the reports remind the general objectives of the MUSICNETWORK and their revision. The activity performed is listed and commented. The dissemination activities performed in these 34 months of work have been mainly:

- Events in which the MUSICNETWORK activity has been promoted by using flyers and direct presentation of MUSICNETWORK activities and results
- Specific activity performed towards and with the support of EC, EC networks and projects
- Specific activity performed towards and with the support of other institutions and lists
- Work for producing the newsletter
- Guidelines for the MUSICNETWORK workshop/conference organization. It includes comments on the organization also of fairs with a stand support.
- Organized Conferences and Fairs
 - First Open Workshop of MUSICNETWORK and its subworkshops
 - Frankfurt Musik Messe
 - Second Open Workshop of MUSICNETWORK and its subworkshops, panels, tutorials, etc.
 - Workshop on Music Publishing at Resonance 2003
 - Third Open Workshop on MUSICNETWORK
 - Fourth Open Workshop of MUSICNETWORK
 - MUSICNETWORK Special Session at the IAML - IASA Congress 2004
 - Model Assessment for Symbolic Music Representation, October 2004, Palma de Mallorca
 - Assessment for Symbolic Music Representation Proposals, February 2005, France
 - Fifth Open Workshop of MUSICNETWORK
- Dissemination material
- WWW pages, Maintenance and improvement of the WWW site
- Articles on the MUSICNETWORK
- Dissemination and promotional Documents produced
- Activity on MPEG
- Planned Activity for the forthcoming months, next open workshops, next conferences

2 Introduction and general objectives

The main goals of the dissemination activity of the MUSICNETWORK are:

1. To increase awareness and confidence to build consensus among content owners and providers towards new solutions, technologies, music modelling, and current standards, removing problems that limit the exploitation of the potential of multimedia music archives, content collections and digitising actions.
2. To stimulate the exploitation of new functionalities which open new markets for new ways of content distribution.
3. To increase the number of participants of the MUSICNETWORK to cover all states of the European Union and competencies for the working groups and building a collaborative forum.
4. To promote the MUSICNETWORK as the virtual reference Centre of Excellence in Europe regarding the technologies of multimedia interactive music.

Most of the above mentioned goals have been reached (proportionally for the first 18 months of work at which this report is referred) by using the following strategy and activities:

- Creation of a large list of Participants (see the statistic report publicly available on the www site). The main actors from each of the categories involved in the creation, distribution and fruition of multimedia music has been attracted to become participants: content providers, multimedia software builder, archives, music content experts, music notation experts, music and multimedia publishers, end users, specific technology providers in the working group areas, etc. They have been reached and convinced to become network participants by:
 - Direct contact via MUSICNETWORK partners mailing lists,
 - Organisation and corresponding invitation at workshops and conferences,
 - Promoting network activity at conferences, fairs and exhibitions,

- Publishing articles and promotional material on well known and diffuse journals and magazines,
- Providing the possibility of monitoring the technology status and accessing to technical and market reports produced by the MUSICNETWORK,
- Distributing promotional e-mails by using public multimedia and music related mailing lists.
- Distribution of newsletters: technical forms news and general newsletter
- Dissemination of the information and innovations at conferences and fairs/exhibitions on music and multimedia to encourage the technology transfer about reliable solutions and music software industries, content provider industries and associations. This has been performed by:
 - organising public workshops in which the activity of working groups has been presented together with the general activities of the network. Specific experts have been invited to present their work at these workshops. At these workshops the different actors of the multimedia music arena have been invited: content providers, technology providers, experts, and end-user representatives.
 - attending fairs/exhibitions as simple attendees and/or with stands see list in the following.
 - actively organising conferences or sections in well known conferences, see the list in the following sections
- producing and distributing guidelines, tutorial notes, reports, stating the state of the art and the best practice in the several areas of intervention and technologies considered by the working groups of the MUSICNETWORK;
- Producing and distributing via email a monthly newsletter reporting the activity of the MUSICNETWORK and news in the area of multimedia music;
- Disseminating and cross fertilizing the ideas and related results of the network considering technical, cultural and commercial levels;
- Realising and making strongly visible a WWW site focussed on making public the results about the above mentioned specific aspects and technologies and for providing information, services and solutions to common problems met in technologies of music coding, protecting, converting, and distribution;
- Contacting and distributing informative material to specific associations which are present in the multimedia music area (see in the following for a list), according to specific agreements.
- Collaborating with other networks of excellence, see in the following for a list (PULMAN, FIGARONET, MINERVA, EVAN, etc.), to increase the dissemination capabilities, creating joined events, and promoting networks activities to network participants;
- Preparing and distributing promotional material such as posters, articles, flyers, etc.
- Setting up and promoting a set of forums (working group discussion lists) connected with the WWW pages of the MUSICNETWORK to exchange public material and discussion in moderated manner;
- Publishing articles for promoting MUSICNETWORK activities and for explaining the main goals and results obtained by the MUSICNETWORK.

3 Activity Performed

In the following subsection the lists of the dissemination activities performed in these first 34 months of work are reported:

- Events in which the MUSICNETWORK activity has been promoted by using flyers and direct presentation of MUSICNETWORK activities and results
- Specific activity performed towards and with the support of EC, EC networks and projects
- Specific activity performed towards and with the support of other institutions
- Work for producing the newsletter, posters, a new version of flyers, folders, CDs and other informative material
- Maintenance of the WWW site

More details regarding the organized events, the WWW site, the dissemination material are reported in separate sections. In addition, the information related to the statistical analysis of the effect of the dissemination performed can be recovered in the Exploitation Plan already in the M32 and also available as public document on the www site.

3.1 Events in which an activity of Dissemination has been performed

3.1.1 Activity performed in the 2002, starting from July-August

- EVA London 2002, July 2002. (UNIVLEEDS) flyer distribution,

- WEDELMUSIC2002 Conference, December 2002, Darmstadt, Germany (FHGIGD, DSI, UNIVLEEDS, IRCAM, etc.), Exposition and conference, flyer distribution, presentation. The First Open Workshop of the MUSICNETWORK has been collocated with this conference.
- Global Venture Forum Osaka, 23rd to 25th October 2002 (CRL), flyer distribution
- ICMAI, September 2002, II International Conference, on Music and Artificial Intelligence, University of Edinburgh, Scotland, Faculty of Music & Division of Informatics, 12-14 September, (FNB and DSI edited document), presentation of a Poster.
- ISMIR October 2002, Paris (IRCAM), flyer distribution
- IFLA2002: IFLA 2002 – (International Federation of Library Associations and Institutions), 68th IFLA General Conference and Council & Library International Exhibition 2002, Libraries for Life: Democracy, Diversity, Delivery, 18-24 August, Glasgow – Exhibition & Conference, A special supplement on this event has been published in the latest issue of eCulture (volume 3 issue 3), <http://www.ifla.org/IV/ifla68/index.htm> Distribution of Flyers by FNB
- Resonance 2002, October, Paris (IRCAM) , flyer distribution
- Rome, Italy, October 2002, a short seminar (DSI), presentation, flyer distribution, organised by the University of Roma La Sapienza.
- IST November 2002, Copenhagen, Denmark, (DSI, MICA) , flyer Distribution
- Tempo Reale Workshop, Florence, TR, December 2002 (DSI) , flyer distribution, presentation
- IBC 2002, September 2002, Amsterdam, (DSI, FNB), fair, flyer distribution
- ICMC 2002, flyer distribution (UNIVLEEDS)
- IEEE ICME, International Conference on Multimedia and Expo, EPFL, Losanne, Switzerland, August, 2002, (DSI)
- UK EPSRC Digital Music Network Launch Day (UNIVLEEDS), Dec 2002, announcement and flyers.
- MPEG 2002 meetings (IRCAM), flyer distribution
- Concertation Meeting of the EC, 18 November 2002, Luxemburg. Flyer distribution and presentation of MUSICNETWORK.
- Meeting in Milan, September 2002, Major publishers: Ricordi, Nuova Carish, Rugginenti, Suvini, Sonzogno, Curci, corso Magenta, Milan, Italy (DSI).

3.1.2 Activity performed in the 2003, flyer distribution

- MAXIS 2003, UK, April, announce and flyer distribution (UNIVLEEDS, DSI).
- IFLA2003: IFLA 69th meeting General Conference, August 2003 Berlin, offer from the EC to have a station in the EC stand of the IFLA meeting. This offer has been refused by the MUSICNETWORK after the experience of FNB at the same conference in the previous year. The conference has not produced a relevant follow up. In addition, FNB and MICA will be present at IFLA and the distribution flyers will be performed in any case by means of FNB and MICA.
- IBC2003, September 2003, Amsterdam, (DSI, FNB), fair, flyer distribution.
- Event requested for the semester of Italian presidency of the EC, October 2003. An event managed by the MUSICNETWORK has been requested. The event has not been assigned.
- ISMIR 2003 (IRCAM).
- ICMC 2003, International Computer Music Conference, (UNIVLEEDS).
- CEBIT 2003 (FHGIGD).

3.1.3 Activity performed in the 2003, flyer distribution and formal presentation

- Concertation meeting of the EC, January 27-28 2003, Luxemburg. Flyer distribution, presentation of Music Evolution and innovative needs and of the MUSICNETWORK
- AIIA 2003: Ottavo Congresso Nazionale dell'Associazione Italiana per l'Intelligenza Artificiale, 23-26 Settembre 2003, Polo didattico "L. Fibonacci", Università di Pisa, Pisa, Italy.
- MIDEM2003, January 2003, Canne, France, with a Panel (DSI, MICA) , flyer distribution, presentation of a talk in a Panel by P. Nesi.
- EVA Florence 2003, Florence, Italy, March (DSI), presentation and flyer distribution.
- EMN2003: European Music Navigator Open e-commerce Symposium 2003, Austria, March, (MICA) presentation and flyer distribution.
- DAISY 2003 conference: presentation of the MUSICNETWORK by FNB, Amsterdam, mainly WG on Accessibility.

- Tempo Reale Workshop, Florence, TR, 2003 (DSI), flyer distribution, presentation.
- EAS 2003, Congress of Europaeische Arbeitsgemeinschaft Schulmusik, "WeiterBildung - Life long learning", May 8-11, 2003 Vienna, International Music Congress Vienna, May 2003 (MICA), presentation and flyer distribution.
- IAMIC2003 Conference, July, Rome. The MUSICNETWORK has been presented at the IAMIC conference with a sequence of slides. The presentation has been given by DSI and GIUNTI-ILABS
- EVA London 2003, UK, Accessibility, flyer distribution and a paper (UNIVLEEDS, FNB, DSI).
- WEDELMUSIC2003, September 2003, Leeds, UK, co-located with second MUSICNETWORK open workshop, see in the following.
- Music and Braille 2003, Madrid, 2003. Organised by ARCA with the collaboration of FNB for the work on standardisation on Music Coding in Braille. Distribution of Flyers and presentation of the MUSICNETWORK with slides.
- Resonance 2003, France, October (IRCAM), distribution of flyers, organization of a workshop
- MINERVA2003 meeting, November 2003, presentation of the MUSICNETWORK activity.
- IST2003: A special workshop has been submitted and refused by the IST committee. Dissemination via flyers has been done by ARCA. The MUSICNETWOTK has been mentioned in the panel related to Visual Impaired for the work performed in the WG on Accessibility.
- IAML Annual Conference Tallinn 2003, July, (Council Session, Plenary Session, Broadcasting and Orchestra Libraries Branch Session, Program Committee Session, Copyright Committee Session), Presentations and consensus-building: MICA and FNB.
- MPEG 2003 meetings in Norway and Brisbane, (DSI, IRCAM), flyer distribution.
- FET Brain Storming Brussels in the November 2003. Some representatives of the MUSICNETWORK have been invited: DSI, IRCAM, UNIVLEEDS.
- Concertation meeting of the EC on Community memory: June 2003, Luxemburg, presentation of MUSICNETWORK and area evolution with slides, flyer distribution , DSI

3.1.4 Activity performed in the 2004, flyer distribution

- MILIA 2004, Canne, France, Distribution of flyers MICA.
- ISMIR 2204, October 2004, Barcelona, Spain
- Florence World Vision, November 2004
- IST2004: The Hague, The Netherlands (DSI, IRC, COMVERSE, UNIVLEEDS, etc.)
- AISB 2004 Convention: Motion, Emotion and Cognition (Leeds, UK)
- MPEG and SMR meetings (October 2004 Palma de Mallorca, Spain; March 2004, Munich, Germany)
- Gesture Controlled Audio Systems, Oslo University, 2–3 Dec 2004 (UNIVLEEDS)
- International Conference on New Interfaces for Musical Expression, Hamamatsu, Japan, 3–5 June 2004 (UNIVLEEDS)
- 5th International Conference on Music Information Retrieval Audiovisual Institute, Universitat Pompeu Fabra, Barcelona, Spain, 10–14 October 2004 (UNIVLEEDS)
- McGill University, invited lecture, Canada, 29–30 Oct 2004 (UNIVLEEDS)
- International Computer Music Conference (ICMC), Miami, USA, 1–6 Nov 2004 (UNIVLEEDS)
- Live Algorithms for Music workshops, 13-14 December 2004, Goldsmiths College, UK (UNIVLEEDS)
- ICCHP 2004 Paris (FNB)

3.1.5 Activity performed in the 2004, flyer distribution and formal presentation

- AICA, Benevento, September 2004
- 69th MPEG Meeting, Munich, Germany, March 2004
- IAML Annual conference, Oslo, August 2004
- WEDELMUSIC 2004 conference, September 2004
- 70th MPEG Meeting, Palma de Mallorca, Spain, October 2004

3.1.6 Activity performed in the 2005, flyer distribution

- EVA Florence 2005, March 2005, flyer distribution

- Frankfurt Musik Messe, April 2005, flyer distribution
- European Research and Innovation Exhibition, 3-5 June 2005, Paris (France)
- London 3D Imaging Technology Conference & Applications Workshops, 15-18 February 2005, New Computer Engineering Building, University College London, London (UNIVLEEDS)
- International Conference on Multimedia, Image Processing and Computer Vision (IADAT-micv2005), Madrid, Spain, 30 March – 1 April 2005 (UNIVLEEDS)
- LAM Research Workshop, Goldsmiths College, 11 April 2005 (UNIVLEEDS, to be performed)
- AISB Convention (Artificial Intelligence and the Simulation of Behaviour), 12-15 April 2005, University of Hertfordshire, UK (UNIVLEEDS)
- International Workshop on Gesture in Human-Computer Interaction and Simulation, 18-20 May 2005, University of Bretagne Sud, Vannes, France (UNIVLEEDS)
- EVA London, UK, 2005 (UNIVLEEDS)
- Digi-Arts UNESCO conference in ST. Petersburg (MICA)
- IAMIC conference, New York, September 2005 (MICA)
- IMC, Los Angeles, October 2005 (MICA)

3.1.7 Activity performed in the 2005, flyer distribution and formal presentation

- 71th MPEG Meeting in Hong Kong, China, January 2005
- Workshop of MUSICNETWORK MPEG AHG on SMR Assessment of Symbolic Music Representation Proposals, 24th 25th February 2005, Paris (France)
- 72nd MPEG meeting April 2005, Busan (Korea)
- eLearning Conference, May 2005, Brussels. The MUSICNETWORK is been present as exhibitor with a stand.

3.2 Specific Activity in collaboration with the EC and towards Networks & Projects

The activities performed in collaboration of the EC have been those reported in the following lists. The list reports all the events at which the MUSICNETWORK has been invited. In all these occasions the representative of the MUSICNETWORK has provided a presentation:

- Concertation Meeting of the EC, 18 November 2002, Luxemburg. Flyer distribution and presentation of MUSICNETWORK, DSI
- Concertation meeting of the EC, January 27-28 2003, Luxemburg. Flyer distribution, presentation of Music Evolution and innovative needs and of the MUSICNETWORK, DSI
- Concertation meeting of the EC on Community memory: June 2003, Luxemburg, presentation of MUSICNETWORK and area evolution with slides, flyer distribution , DSI
- FET Brain Storming, Brussels in November 2003. Some representatives of the MUSICNETWORK have been invited: DSI, IRCAM, UNIVLEEDS.

The activities performed towards other EC Network and Projects have been:

- PULMAN: cross posting of messages, contribution to the writing of PULMAN guidelines for the music digitization
- MINERVA: cross posting, presentation of the MUSICNETWORK activity, contribution of the MUSICNETWORK as experts of digitization
- FIGARONET: cross posting, aspects on digital right management
- Cultivate: <http://www.cultivate-int.org>, mention of the MUSICNETWORK activities several times in the DIGICULT column
- ECULTURENET: Europe's digital culture for research, education and for all its citizens <http://www.eculturenet.org/>, mention of the MUSICNETWORK activities.
- IMUTUS: EC FP5 project on music education, cross posting
- OPENDRAMA: EC FP5 project on music education, cross posting, presentation of OPENDRAMA results on MUSICNETWORK open workshop.
- CALIMERA, CA of the FP6: first contact with their coordinator
- DIGICULT: <http://www.cordis.lu/ist/ka3/digicult/publications.htm>, some publication of MUSICNETWORK activity and posting on MUSICNETWORK of their activity.
- WEDELMUSIC FP5 project, web delivering of music scores

- CUIDADO FP5 project. Content-based Unified Interfaces and Descriptors for Audio/Music Databases Available Online
- AMICITIA FP5 project ([Asset Management Integration of Cultural heritage In The Interexchange between Archives](#)): Contact with the project partners, review of their Digital Right Management model, results are contained in the document on DRM published on the www site of the MUSICNETWORK, see the WG on Protection.

3.3 Specific Activities towards Institutions and other lists

National and international authorities, associations, other mailing lists and standard bodies have been contacted. Presently some result has been obtained with:

- AFI: Italian association of Phonographic Industry, audio (DSI).
- AIF: Industrial Association of Florence. They are strongly interested and are collaborating through the Maggio Fiorentino to the community of the MUSICNETWORK, (DSI).
- CSUN: International Conference on Technology and Persons with Disabilities (FNB)
- CVHI: Conference on Assistive Technologies for Vision & Hearing Impairment (FNB)
- EBLIDA: European Bureau of Library, Information and Documentation Associations (FNB)
- EUSIDIC: European Association of Information Services (FNB)
- IAMIC: International Association of Music Information Centers, they have invited DSI and Giunti-ILABS to talk at the IAMIC annual conference 2003 in Rome.
- IAML: The International Association of Music Libraries, Archives and Documentation Centres has invited MICA to give several MUSICNETWORK presentations at the annual conference 2003; IAML and MICA are negotiating a joint MUSICNETWORK session at the IAML/IASA conference 2004.
- ICEVI: International Council for Education of People with Visual Impairment (FNB)
- ICMAI: International Conference on Music & Artificial Intelligence (FNB)
- IFLA: International Federation of Library Associations (FNB)
- ISO/IEC JTC1 WG34, we have been informed about the status of SMDL model, IRCAM, DSI.
- MINERVA, we are involved in their activities regarding digitisation guidelines, DSI
- MPEG, we have been invited to present a contribution at the MPEG meeting in Norway, DSI, IRCAM.
- Musicentrepreneurs.com, we have been involved and we are cross referencing their activities (FHGIGD).
- RIPM: an organisation that work on collecting the music repertoire, cross posting. They were contacted with the aim of convincing them to manage the Working Group on Music Culture.
- WBU: World Blind Union (FNB)
- PHOlist: a very large and specialized private mailing list on computer music, music culture, etc., cross posting.
- MUSIK Messe, organizers of the Frankfurt Musik Messe, Cross posting
- PULMAN, we have contributed to the production of their technical guidelines for digitisation. In particular our contributions have been focused on music digitisation. Evidence of this cooperation has been given also in their final report.
- EMC: European Music Council ([Regional Group of the IMC/UNESCO](#)), http://www.european-music-council.org/bulletin_eu.html “One of the interesting new projects to emerge from the 8th call is MUSICNETWORK, a network of excellence on music interests across Europe”

Standards bodies:

- ISO, we have been looking much forward to cooperate in respect of SMDL model, but have been informed that SMDL has been cancelled from their activities.
- MPEG, we have been invited to present a contribution at the MPEG meeting in Norway. We attended the meeting in Brisbane for managing the AHG on music Notation and we have also attended the meeting in Munich. The MUSICNETWORK MPEG AHG on Symbolic Music Representation has attracted a large number of industries (including the relevant ones). For further details, please see the SMR documentations.
- DMP (Digital Media Project, www.Chiariglione.org): partners of MUSICNETWORK have started to collaborate with the DMP in the September 2003. Some of the requirements related to the music in libraries and in the DRM have been revised by MUSICNETWORK (mainly DSI).

In addition, an event managed by the MUSICNETWORK has been requested for the semester of Italian presidency of the EC, October 2003. The event has not been assigned.

3.4 NewsLetter

The Newsletter consists of an important and effective means of dissemination for MUSICNETWORK and since February of 2003 it is being produced and distributed on monthly basis. It is designed and edited entirely in HTML format providing in such a way useful web links for more convenience and interactivity. Apart from the MUSICNETWORK registrants' list, the newsletter is also distributed to ten more mailing lists that wish to receive relevant news from our network.

The newsletter is trying to be consistent therefore it follows a specific structure and outline, which however is flexible to be reshaped in cases where it is necessary.

In every newsletter an outline of the discussions and of the threads in the forum is given together with useful links for articles or documents that have been uploaded during that month. It provides the end-user the opportunity to have in a one-page long document the skeleton of all discussions in the forum. In addition news about upcoming events and conferences related with MUSICNETWORK are also given in a special section of the newsletter, while in it MUSICNETWORK informs its registrants about events that it organizes or supports. Every decision taken by the MUSICNETWORK committee or relevant news is also reported in the newsletters, which are the most regular and one of the most important means of communication with all the subscribers and users. The newsletter aims to give the end-users apart from information, the spirit of a community, which can be the only basis of a good and fruitful function of MUSICNETWORK.

In the case of the needs of advertising some major event of the MUSICNETWORK a special version of the newsletter has been delivered.

The list and the archive of all Newsletters are visible on the WWW site for all the participants.

4 Guidelines for Conference Organisation

The main goal of the dissemination activity in the MUSICNETWORK is to increase the awareness of the two major groups of interest involved in the in this scenarios. They are the content providers, music industries, archives, etc. (on the left of the next figure) and the technology providers (on the right of the same figure). The most important goal is to reduce the gap between these two worlds to allow them to work together to find new solutions and markets. This can be done by putting together these two groups of people that have different cultures, different attitudes, different uses, and different consideration of each others.



For this purpose we have identified two different activities, each of which is focused on a different group: technical conference and fairs. It is obvious that these two cases are extreme and that some mixed conditions can be present. In those cases, a mixed approach is suggested.

4.1 Conferences and workshops

At the technical conferences the MUSICNETWORK may attract technology providers that may see in the network a way to exploit their competencies. For this reason, we have organized a series of five Open Workshop, with the first three editions joined with a Major research conference in the area of Music Multimedia and Distribution: the WEDELMUSIC International Conference. It is a quite new conference but well focused on these aspects with a growing number of attendees: 70 for the 2001, 95 in the 2002, etc.

In these events, the promotional material has to be detailed and technical, the availability of the WWW access to the web pages is convincing and interesting. Every meeting is been organized in sections with some crucial themes to be discussed. In some cases, a short tutorial section is been added, for example at the beginning of the day just to introduce one of the topics that have to be discussed in the working sections.

The presenting approach from the side of the MUSICNETWORK coordinators has to be flexible and cooperative since the technical contributors are those that for the great part contribute to the creation of the technical content into the MUSICNETWORK database.

At these technical meetings, open workshop sections are possible and needed. At these sections, the participants may contribute with their positions and presentation opening the discussions. It is very important in several cases, to have the possibility of inviting relevant expert of the sector in order to motivate the participants to:

- attend the meeting
- present their position for the presence of competent audience that could validate their position.
- Contribute to the production of documents of the MUSICNETWORK. (Documents are the reports, the assessment reports, the deliverables, the www content, etc.)

In a second phase, it could be needed to organize some restricted sections and workshops in which working documents are processed in order to finalize guidelines or new standards. These have to be motivated on the basis of a real work preformed and a detailed work to be done on specific documents.

4.2 Fairs and expositions

At the fairs the MUSICNETWORK may attract companies belonging to the first group, those of technology users. They attend fairs to make business and only sporadically attend conferences, when they are already convinced to make a change, to use a new technology, etc. At fairs they are use to perform activities of technology watch, competitor analysis, etc. The MUSICNETWORK may attract them, since it can provide then a fast and effective view of the state of the art. In effect, this view has to be revised on the basis of the experience of the MUSICNETWORK at the Musik Messe (see in the following).

In this case, the promotional material has to be short and not too technical. While the presenting approach has to be professional and well shaped and customized. In the case of real contact, the technical level has to be very convincing and skilled especially for the protection, distribution and business models.

In these cases, the best results can be obtained by presenting the MUSICNETWORK with a stand and to provide them a service of problem solving and partner search. For these type of events we have prepared the following documents and performed the related activities:

- Registration of the contacts
- Compilation of questionnaires
- Analysis of the compiled forms and follow up.

In addition, to attract them it can be very effective to give them a short presentation in order to explain in short time the purpose of the MUSICNETWORK. After the presentation it should be good to have time for presenting the last activities of the MUSICNETWORK trying to involve them. For example,

- asking them to contribute at identifying the topics of the next technical events
- presenting a short panel on the most hot topics of the sector: protection, distribution, multimedia and notation, standards, etc.

4.3 Co-organization of events

The MUSICNETWORK may co-organize other events. In these cases, the MUSICNETWORK has to have in change the possibility of influencing the structure and the adverting process of the event. The co-organized have to be hosted into the MUSICNETWORK web site with a specific WWW page.

In a co-organized event the MUSICNETWORK will have the complete management of some smaller activities. They may be panels, sections or expositions. The selection and the involvement of the MUSICNETWORK in these activities depend on the audience of the event and thus the possible actions will have to be selected according to the guidelines reported above.

4.4 Conference Management and rules

This section reports a regulation about the management of conferences and workshops. Presently, we have at least three types of activities with conferences or workshops.

The MUSICNETWORK can only support economically MUSICNETWORK activities. We cannot use money to sponsor an external event. The coordinator, DSI, can only directly pay for the approved MUSICNETWORK events (with the rules and limits already fixed and used for the First Open Workshop):

- travel of experts, (only for MUSICNETWORK sections)
- for catering, (only for MUSICNETWORK activities)
- for rooms (only for full MUSICNETWORK events)
- promotion (only for full MUSICNETWORK events),
- etc.

The approval has to include a mandate to accept or not the expenses. This is a constraint that comes from the mechanisms that are present to claim the expenses. Each relevant expense has to be supported by initial offer and invoice. In addition, each expense has to be described and discussed and motivated.

MUSICNETWORK events can be recognised by:

- a) WWW page of the event in the MUSICNETWORK www site. No simple link ma directly the content page into the www site of the MUSICNETWORK. This will permit to index the page and the conference in the search engine of the MUSICNETWORK, etc.
 - The www page has to include: description, scope, sponsors, etc.
 - The same page has to link the programme,
 - The same page has to list the people that will be invited by the MUSICNETWORK, with their affiliation and nationality. The slides of these people and their documentation related to the talk that they give at the conference/workshop has to be linked to the page and published on the MUSICNETWORK www site
- b) clearly written that is a MUSICNETWORK event in their main www page, flyers, call for papers, documentation to be distributed to participants, mailing, etc.
- c) managed by one of the partners of the project
- d) approved by the MUSICNETWORK committee
- e) any expense has to be directly negotiated by the provider to the DSI and paid from the DSI to the provider. The provider of the service cannot be one of the project partner.

Without satisfying the above aspects DSI cannot formally pay any cents of Euro.

The involvement of the MUSICNETWORK in the event can be as follows:

- I. the organisation of a workshop or conference in the same manner of the first open workshop in Darmstadt. To this end, a responsible of the event has to be identified. The responsible has to guarantee that the above points will be satisfied, providing content for creating the www page on the official site into the MUSICNETWORK www site, etc.
- II. the organisation of a Panel into a Workshop. It has to be listed in the program as a MUSICNETWORK panel. Clearly mentioned in the flyer of the event as a separate activity with a special promotion of the event, etc. The responsible has to guarantee that the above points a-e will be satisfied, providing content for creating the www page on the official site, etc.
- III. participation of the MUSICNETWORK to an event to make dissemination. This can be done by any partner without authorisation by using their own travel budget. If the event is not in Europe it has to be authorised by the EC via the Project Co-ordinator. Without authorisation the costs cannot be charged on the Cost Statement. The authorisation has to be requested to the DSI and we will make the same asking to the officer. The distribution of Flyers is mandatory.
- IV. other event organised by MUSICNETWORK partners as a non MUSICNETWORK event: MAXIS, EMN, etc. They are very good occasion to make dissemination. An Oral presentation of the MUSICNETWORK is preferred. If it is not possible the simple distribution of flyers is mandatory. In general, the organiser has to support the MUSICNETWORK promoting it. In general, it is not correct to send at that event an additional MUSICNETWORK partner to specifically make promotion when the organiser is also a MUSICNETWORK partner. We have to work in economy and avoid travelling for trivial and duplicated roles.

Events of type (I) and (II)- can ask to have invited experts. DSI has to directly invite them and pay them to work in a MUSICNETWORK activity. We can support for them the travel up to a given maximum and a limited number of days: one day before the event plus the even duration plus one more day if they come from outside Europe. Any invited expert has to be directly authorized and if he/she comes from outside Europe the request has to be accompanied by a curriculum Vitae and a motivation of why they are important for the event and for the MUSICNETWORK. Please do not candidate people that have a profile that can be easily find in Europe, this will be easily verified by using databases.

5 Organised Conferences and fairs

5.1 First Open Workshop, December 2002, Darmstadt, Germany

The documents, presentation, minutes of the discussions, etc., have been posted in the WWW site of the MUSICNETWORK and made available for all. The first open workshop has been held in Darmstadt colocated with the WEDELMUSIC2002 conference only partially overlapped for half a day.

<http://www.interactivemusicnetwork.org/workshop/workshopprog.html>

- High number of attendees:
 - 75 the first and 64 the second day
- Passed on the local Television, German
- 60% of questionnaires recovered
 - request for the creation of additional working groups on: education, culture and audio processing.
- results and documentation available on the Forums and in the documents posted on the MUSICNETWORK
- The presences were mainly:
 - Information technology experts
 - technicians of area libraries and archives
 - Big institutions: Philips, Sony, BBC, etc.

Programme:

December 11 th 2002		
8.30	A1) - The MUSICNETWORK goals and activities (ROOM_A)	
9.00	A6) - Tutorial "a Comparison and analysis of music notation models" author: Eleanor Selfridge-Field (ROOM_A)	
10.30	A5) - The integration of Multimedia Standards and Music Notation (ROOM_A)	
12:00	Lunch	
13:00	A3) - The next agenda for music libraries: How to keep pace with technological, legal and standardisation developments (ROOM_A)	B2) - Protecting Music: myths and reality !! (ROOM_B)
14.30	A2) - The perfect Structure for a Music Notation Language (ROOM_A)	B1) - Multimedia Music Imaging: Digitisation, Restoration, Recognition and Preservation of Music Scores and Music Manuscripts (ROOM_B)
16:00	A4) - The perfect Business model for Music Distribution (ROOM_A)	B3) - Music Accessibility for all (ROOM_B)
17:30	Special Section on MUSIC4ALL Integrated Project	
December 12 th 2002		
8.30	A7) - The MUSICNETWORK goals and activities (ROOM_A)	
9.00	A8) - Converting old music sheets with digital technology with minimal effort and cost	
10:00	A9) - New Models and Tools for accessing music for impaired people (ROOM_A)	B4) - What is Multimedia Music ? (ROOM_B)
11:00	A10) - Protecting music over the P2P applications (ROOM_A)	B5) - Fixing the moving target for archive and digitisation technologies (ROOM_B)
12:00	Lunch	
13:00	A11) - XML Coding of Music Notation (ROOM_A)	B6) - The perfect Business Model for e-music and e-commerce (ROOM_B)
14:00	MUSICNETWORK Comittee Meeting	
16:00	Closure	

Invited experts:

- Alessandro Moro, Shylock, Italy (not yet paid)
- Bertrand Couâsnon, IRISA-INRIA, France

- Caldas Pinto, Universidade Técnica de Lisboa, Portugal
- Eleanor Selfridge-Field, Stanford, USA
- Giorgio Zoia, EPFL, Swiss
- H. Robert Cohen, RIPM, USA (not yet paid)
- Harald Mayer, Institute of Information Systems & Information Management, Austria (not yet paid)
- Mark Sandler, Queen Mary, University of London, UK
- Martínez Calvo Francisco, ONCE, Spain
- Michael Good, Recordare, USA
- Nicola Bernardini, Centro Tempo Reale, Italy (self-supported)
- Roger Firman, RNIB, UK (not yet paid)
- Wolfgang Krueger, IAML, Germany
- Justin Baron, Sibelius Software Ltd, UK (denied at the last minute)
- Mark Mumford, MusicWorks, Finale Coda software, UK (denied at the last minute)

In that period the MUSICNETWORK were about 150 participants, with about 5000 visits on the WWW site.

5.2 MUSICNETWORK at the Musik Messe, March 2003, Frankfurt, Germany

Only a quite small activity has been registered around the MUSICNETWORK stand at the MusikMesse. Probably the main problem is the fact that pour business in this phase is not clear. Industries (software providers and content providers) at the MusikMesse are too much focussed on their products to find a direct interest in the MUSICNETWORK. We performed in the 5 days 15 contacts and only 4 people attended the press conference. During the days we have distributed to all the industries a card for inviting them at the stand and at the meeting. About 1000 cards and 500 flyers have been distributed. In the days after an increment of the number of participant has been observed. This probably is the only real return from the MusikMesse. The partners has discussed if this experience has to be replicated next year in a similar of different form or not. The result of the discussion has been the decision of not repeating this experience since:

- The industries are not oriented in contacting a service organisation as the MUSICNETWORK during their peak of business. They are too much focussed on making business with their distributors and final consumers to take care about MUSICNETWORK
- The attention of the industries is better obtained by stimulating and inviting them to attend the Open Workshop similar to the first in Darmstadt. In addition, other ways can be organised such as a greater focus on standardisation, on the production of reports, etc.

5.3 Second Open Workshop, September 2003, Leeds, UK

A great number of experts have been invited to the Second MUSICNETWORK open workshop. The authorization was received in July. The Second open workshop has been organised, as reported in the WEB. http://www.interactivemusicnetwork.org/events/Second_OpenWorkshop_2003/second_openworkshop_2003.html

	15 September 2003		16 September 2003		17 September 2003			18 September 2003	
	WEDELMUSIC	MUSICNETWORK	WEDELMUSIC	MUSICNETWORK	WEDELMUSIC	MUSICNETWORK	MUSICNETWORK	MUSICNETWORK	MUSICNETWORK
		Internal Meeting		MUSIC Notation Workshop		MUSIC Notation Workshop	Open Workshop	Internal Meeting	Open Workshop
08:30 - 09:00							Opening Session		
09:00 - 09:30	Opening Session			Opening Session		Workshop on Music Notation Modeling and its integration with MPEG4 and MPEG7		Workshop on Optical Music Recognition	Tutorial: Sound in MPEG4 beyond audio coding, Innovative Applications (#18)
09:30 - 10:30	Keynote		Watermarking - I	Definition of work of the days	Digital Right Management - I				
10:30 - 11:00	Coffee break								
	Music Transcription and Translation			Working Sections on structural aspects of Music Notation	Digital Right Management - II	Workshop on Music Notation Modeling and its integration with MPEG4 and MPEG7		Workshop on Optical Music Recognition	Tutorial: From traditional Music Libraries Toward Digital Network Resources, Innovative Applications (#23, #7)
11:00 - 12:30			Watermarking - II						
12:30 - 14:00	Lunch								
	OnLine Music Services	MUSICNETWORK Business Model	Music Analysis, generation and preservation - I	Working Sections on structural aspects of Music Notation		Working Sections on structural aspects of Music Notation	Tutorial on Hitting the Right Note: Producing Talking Music for DAISY Players, Products: MUSIC BRIGADE	MUSICNETWORK Content for Validation	Round Table on Music Education and Performing Art
14:00 - 15:30									
15:30 - 16:00	Coffee break								
	Music Distribution	MUSICNETWORK Business Model	Music Analysis, Generation and Preservation - II	Working Sections on structural aspects of Music Notation		Consolidation and fixing	Case Studies (#12, #15, #3)	MUSICNETWORK Content for Validation	Round Table on Music Education and Performing Art
16:00 - 17:30	Poster section, WEDELMUSIC	MUSICNETWORK Business Model	Poster section, WEDELMUSIC						
17:30 - 19:00	MUSICNETWORK	MUSICNETWORK Business Model	MUSICNETWORK	Demo Section	Demo Section		Case Studies (#4, #8)		Demo Section
ROOM	G13	G14	G13	G14	G13	G13	G14	G14	G13

This second Open Workshop included three workshops, section on open activities, and tutorials.

5.3.1 Workshop on Music Notation Formats

http://www.interactivemusicnetwork.org/events/notation_workshop_2003.html

http://www.interactivemusicnetwork.org/events/Second_OpenWorkshop_2003/programme_openworkshop_2003.html

http://www.interactivemusicnetwork.org/wg_notation/documents.html?l_s=struttura&gruppo=106&order_by=data&asc_desc=asc

During the workshop the attendees of the workshop have

- Identified and discussed the most important aspects of music notation formats with a particular attention to the structural aspects, requirements for music notation formats, XML usage, context, process of standardisation, etc.
- Taken the decision to start with the production of a document modelling requirements and then producing a sort of commonly accepted standard in collaboration with standard bodies. The main results are the activities started with MPEG and OASIS

5.3.2 Workshop on Optical Music Recognition (UNIVLEEDS)

http://www.interactivemusicnetwork.org/wg_imaging/documents.html?l_s=struttura&gruppo=86&order_by=data&asc_desc=asc

During the workshop the attendees of the workshop have

- Reviewed the most important problems of the OMR
- Performed an assessment regarding the presently available OMR
- Decided to starting a more precise review of OMR tools by producing metrics and assessing high complexity and low complexity metrics.

5.3.3 Panel on Music Education and Visual Art (GIUNTI-ILABS)

Entertainment, edutainment, advanced and effective full immersion situational training do require several different technologies to be combined. We span from 3D graphics to device / platform independent content web delivery. Moreover the evolution trend in the present society to be always “on line” brings to the need for a real ubiquitous access with personalised delivery. This roundtable is aiming to show how much culture, art and society can benefit from adoption of new technologies in the learning environment.

http://www.interactivemusicnetwork.org/wg_educational/documents.html?l_s=struttura&gruppo=93&order_by=data&asc_desc=asc

During the workshop the attendees of the workshop have

- Discussed about the integration of music education and arts.
- Alternative methods for music education
- Traditional approached for music education
- Identified the paradigms for music education and highlighted the problems and the areas in which the technology can help

- Analysed and relationships between the music and the aspects and technologies of “presence” which could be regarded as a sort of the evolution of virtual reality.

5.3.4 Open Activities

Products & Best Practices

- MusicBrigade solution, Anders Hjelmtoorp,

Case study, Problems

- evaluating music retrieval systems and similarity algorithms, Margaret Cahill,
- OPEN SOURCE LICENSING AND SHEET MUSIC DISTRIBUTION, Rafael Ornes,
- The Role of the Music Publisher in the Internet Age, Davo van Peursen, MuziekGroep Nederland,
- Lecture/Concert demonstrating methodology and performance of animated, interactive scores from the Web, David Lieberman, DMA
- Gerd Leonhard, New horizons in Internet content distribution

Innovative Applications with demo

- C.P.N.View - A Tool for Music Score Processing Donncha Maid, Department of Computer Science and Information Systems, University of Limerick
- Integration of WEDEL Music Editor for Authoring Tools, P. Bellini, P. Nesi, DSI - University of Florence
- The Digital Heritage of Opera in an Open Network Environment, G.Scali - Space S.p.A.

5.3.5 Tutorials

- Tutorial on MPEG4, G. Zoia. The tutorial has been strongly useful for understanding the relationships between music into MPEG and the music representation that could be useful for real complex applications of music education and in integration with other multimedia aspects. .
- Tutorial on Standards for Music Information Management: From Traditional Music Libraries Towards Digital Network Resources. B. Günter. The tutorial has been mainly focussed on the technologies which are needed to cope with the organisation of content in the library and to satisfy the real needs of the library attendees.
- Workshop and report about the integration of music notation and MPEG. The workshop has been focussed on presenting the first results of the work performed in collaboration with MPEG for analysing the possibility of standardising a music notation format and encoder in the MPEG forum.

5.3.6 Invited Experts

- Caterina SANTI, CIDIM-CIM/UNESCO, Italy
- Tom JOHNSON, MakeMusic! Inc., Coda Music Technologies, USA.
- Davo van Peursen, MuziekGroep Nederland, NETHERLANDS
- Gerd Leonard, the Digital Marketing Organization, Basel, Switzerland.
- Giorgio Zoia, EPFL- Signal Processing Institute, Switzerland.
- Margaret Cahill, Department of Computer Science and Information System, Univ. of Limerick, IRELAND
- Gabriele Scali, SPACE S.P.A., OPENDRAMA, Italy
- Tillman Weyde, Forschungsstelle Musik- und Medientechnologie, Universität Osnabrück, GERMANY
- Perry D. Roland, University of Virginia
- Don Byrd, Digital Music Library project, Indiana University, USA
- Eleanor Selfridge Field, Consulting professor, Stanford UNIVERSITY, USA
- Steven R. Newcomb, Consultant, CoolHeads, USA
- Rafael Ornes, Manager, Choral Public Domain Library (<http://www.cpdlib.org/>).
- David Lieberman, DMA, ATLANTA, USA
- Robert Hurst, AUDIO NETWORK PLC (www.audiolicense.net)
- Anders HJELMTORP, MUSIC BRIGADE, SWEDEN
- Sten BUNNE, MUSIC THERAPIST, MUSINOVA, SWEDEN
- Richard WRIGHT, Technology manager, BBC, UK
- Stefan Goebel, Zentrum für Graphische Datenverarbeitung e.V., GERMANY

Presently on 19 invited experts 5 of them have not requested the reimbursement, and only one has initially accepted the invitation without attending the workshop. The fact that a relevant percentage

of invited experts have not requested the reimbursement is a good index of the fact that for them the workshop has been valuable.

5.3.7 Assessment and number of attendees

The number of 93 registered people. It has been co-located with WEDELMUSIC scientific conference. All the documents and presentation produced for the workshops have been posted on the web site.

5.4 Workshop on Music publishing at Resonance 2003, Paris, France

A specific workshop has been organized in IRCAM during the Resonance week, on Thursday, the 17th of October 2003. The authorisation for non EC experts invited has been received officially, since more than one month passed by without any official rejection.

5.4.1 Goals and objectives

Hypermedia musical publication requires a number of special competences, due to the lack of an integrated environment dedicated to the special needs of the musicologist.

The modelling of the musical database at the basis of the editorial project is particularly important. The database must permit indexation and retrieval on metadata as well as on musical content. Modelling must be compliant with musical knowledge. The database must also permit adaptation of musical content and cooperative work, and must open perspectives in musical e-learning.

The musical representation space must be investigated. Acoustic representations such as sonogram or spectrogram have introduced new ways of representations of musical events and contents, and new ways of exploration and description of the musical phenomenon. Electro-acoustic music needs special representation, specially concerning time, and ethnomusicology requires at least an enhancement of common western music notation. Even common music notation is not easy to integrate in multimedia presentations.

Finally, a number of technical competences are needed for the final diffusion of the work. There is a lack of tools dedicated to synchronisation, which is a basic need for every musical multimedia presentation. Standards and technologies are perpetually evolving, and authoring tools are ever more and more complex. Rendering (MIDI or audio rendering) requires particular competences.

The workshop on Music Publishing has been organized in order to investigate main issues related to these topics, and has tried to open new perspectives and solutions.

5.4.2 Organization and schedule of the workshop

During the workshop, 11 presentations have been made in four different sessions. Presentations are available through the MusicNetwork web site, on http://www.interactivemusicnetwork.org/wg_standards/events.html. 40 people have attended the workshop. <http://www.interactivemusicnetwork.org/events/resonance.html>

5.4.2.1 Session 1 : Perspectives and news solutions for multimedia diffusion of music

The realization of a multimedia musicologic publication

Pierre Couprie, University Paris 4 Sorbonne, France

The HyperMedia Studio projects at Ircam.

Olivier Lescurieux, Ludovic Gaillard, Ircam, France

5.4.2.2 Session 2: Modelling knowledge and musical databases

Integrated Representation of Musical Content, Structure and Metadata

Tillman Weyde, University Osnabrück, Germany

The Representation Levels of Music Information

Hugues Vinet, Ircam, France

Modeling and Management of Large Music Databases

Loretta Diana, Goffredo Haus, Maurizio Longari, Milan University, Italy

5.4.2.3 Session 3: Music and sound analysis, and new methods of representation

Towards computational morphological sound description

Julien Ricard, Perfecto Herrera, University Pompeu Fabra, Spain

A Logical framework for the Motivic Analysis of Music

Jacqueline Castaing, University Paris 13, France

Virtual Environment and Creation

Alain Bonardi, Kaissa Boubehata, University Paris 8, France

5.4.2.4 Session 4: Technologies and standards

Bridging the gap : music and communication

David Crombie, Roger Lenoir, Neil McKenzie, FNB, the Netherlands

Music Imaging : The Challenge of Optical Music Recognition

Kia Ng, Leeds University, UK

Musical Notation and Multimedia Standards

Jérôme Barthélemy, Ircam, France

5.5 MUSICNETWORK Special Session at the IAML IASA Congress, August 8-13, 2004 – Oslo, Norway

The Program Committee of the **International Association for Music Libraries, Archives and Documentation Centres (IAML)** has agreed to add a Special Session to the program of the 2004 Congress, dedicated to **Digital and Interactive Technologies for Music Libraries**, organized by MUSICNETWORK and presented by the IAML IT Committee.

The Special Session was been focused on online music distribution systems from a music library perspective: How can digital and interactive technologies enhance the accessibility of recordings, scores etc. as far as music libraries, archives, documentation centres etc. are concerned? The session has provided a brief overview as well as several good practise examples, complemented by the presentation of an extensive analysis of classification issues in online environments. The session was been concluded by a panel discussion, addressing experiences, problems and success factors.

5.5.1 Organization of the special session

Online Music Distribution Systems for Libraries: A Brief Introduction

- Bernhard Guenther (mica – music information center austria, MUSICNETWORK – The Interactive Music Network)

Classification of Forms, Genres and Styles in Online Music Platforms

- Cristian Bacchi (CILEA - Consorzio Interuniversitario Lombardo per l'Elaborazione Automatica, AMIC - Archivi della Musica Italiana Contemporanea)

Good practice example 1: Variations 2

- Mary Wallace Davidson (William and Gayle Cook Music Library Indiana)

Good practice example 2: Phonofile Denmark

- Ole Bisbjerg (Statsbiblioteket Aarhus/Denmark)

Good practice example 3: Classical.com

- Roger Press (Classical)

Panel Discussion

Music Libraries and Online Distribution Systems: Experiences, Problems and Success Factors

- Cristian Bacchi

DE-7.1.1 — Dissemination

- Ole Bisbjerg
- Mary Wallace Davidson
- Roger Press

Moderation: Massimo Gentili-Tedeschi, Bernhard Guenther

5.6 Third MUSICNETWORK Open Workshop , 13-14 of March 2004, Munich, Germany

A great number of experts have been invited to the Third MUSICNETWORK Open Workshop that has been organised in March 2004, as reported in the WEB.

http://www.interactivemusicnetwork.org/events/Third_OpenWorkshop_2004/MUSICNETWORK-OW-March-2004-Description-v1-4-clean.htm

5.6.1 Organization and schedule of the workshop

	13th March 2004			14th March 2004	
	Room1 Music Notation and decoding in MPEG	Room 2 Music Metadata, Protection and Distribution in MPEG-7 and MPEG-21		Room1 Music Notation and decoding in MPEG	Room 2 Music Metadata and MPEG-7
9:00	Open, General overview, scope of the meeting, P. Nesi, G. Zoia			Shorted overview and summary of the previous day	
10:00	Section: Music Notation Application Scenarios	MPEG-21 and Music: Status quo and possible improvements (Protection, DRM and Distribution)		Section: Music Notation formats	MPEG-7 and Music: Applications, Examples and Scenarios, actual state in the domain
11:30		MPEG-21 and Music: Applications, Examples and Scenarios		Requirements of Music notation and decoder	MPEG-7 and Music: Applications, Examples and Scenarios for new applications
Lunch					
14:00	Requirements of Music notation and decoder	MPEG-21 and Music: Requirements for Protection and Distribution (Producers, Distributors, Music Libraries, etc.)		Music notation and Integration with MPEG	Contributing to MPEG requirements MPEG7, music description
16:00	Music notation and Integration with MPEG	MPEG-7 and music: music libraries specific practices		Review and completion of the MPEG Call for Technology/Proposal on Music Notation and Decoding	

5.6.2 Music Notation and Decoding in MPEG

Chairs: P. Nesi (P. Bellini), G. Zoia

The topics of this activity are strongly related to the past activity of the AHG on Music Notation Requirements

Section: Music Notation Application Scenarios

- Application Scenarios for Music Notation in MPEG, Tillman Weyde, Germany
- An Application Scenarios, G. Zoia, J. Ingram, posted as MPEG input document.
- An Example of a Possible Music Notation Decoder for Educational Applications, P. Bellini, P. Nesi, DSI, Italy
- Music Imaging and Visualisation, Kia Ng, Rich Sage and Bee Ong, Interdisciplinary Centre for Scientific Research in Music (ICSRiM), University of Leeds
- The digital critical editing of music, Rüdiger Loos, Albrecht Haug, Stefan Morent/Tübingen

Section: Music Notation formats

- Premise and recall to the past MUSICNETWORK Workshop in LEEDS

- Music Notation Coding: a review of MUSICNETWORK WG on Music Notation, P. Bellini, P. Nesi. This document is available on the MUSICNETWORK WWW site in the WG on Music Notation and HTML in the future
- A Modular Approach to XML Music Notation and Representation, Jacques Steyn.
- Braille music notation Special requirements for Braille representation, Nadine BAPTISTE JESSEL.
- Music notation/representation requirements for integrating Braille format, FNB, David Crombie.

Requirements of Music notation and decoder

Music notation and Integration with MPEG

Review and completion of the requested MPEG Call for Technology/Proposal on Music Notation and Decoding

5.6.3 Music Metadata/Music Description and its Usage on Archive Query, MPEG-7

Chairs: J. Barthelemy, B. Guenther

Section: MPEG-7 and Music: Music Libraries specific practices

- Introduction: B. Guenther, Jerome Barthelemy
- MPEG and Music Cataloguing and Retrieval, Matthew J. Dovey, Oxford University
- On (the Impossibility of) Finding Music (with current Standards and Metadata), Werner Kriechbaum, IBM Development Lab Böblingen

Section: Open discussion

- Matthew J Dovey
- Werner Kriechbaum
- Charlotte C Pedersen, Odense Music Library
- Tillman Weyde
- Adam Lindsay, Lancaster University
- Matthias Gruhne, FhG IDMT
- Etc.

Section: MPEG-7 and Music: Applications, Examples and Scenarios, actual state

- Actual Work on Music in MPEG-7: Intervention of Matthias Gruhne
- An MPEG-7 Library for Music, Holger Crysand, Giovanni Tummarello, Francesco Piazza, Italy
- Past Work and Future Directions in MPEG7: Adam Lindsey

Section: MPEG-7 and Music: Applications, Examples and Scenarios, new applications

- A Report on CUIDADO Project and MPEG7, Vincent Puig, Jerome Barthelemy, IRCAM, France
- MD Tools: MPEG-7 Metadata Authoring Tools, Oscar Celma, MTG, Spain (related to OPENDRAMA project)
- Music map, A Similar Viewer, Benoit Meudic, IRCAM, France.
- Application Scenarios for Music Notation in MPEG, Tillman Weyde, Germany

Contributing to MPEG requirements MPEG-7, music description

- Collaborative production of a document for MPEG forum, regarding additional/missing requirements of Music distribution and protection and MPEG-7, possible presentation of application scenarios.

5.6.4 Music Protection and Distribution, MPEG-21

Chairs: M. Schmucker, F. Spadoni

Section: Music distribution and protection, DRM, MPEG-21

- Intervention of Niels Rump, RIGHTSCOM.COM
- Music notation/representation requirements for the protection of coded music, F. Spadoni (RIGEL), M. Schmucker (FHGIGD), MUSICNETWORK contribution

Contributing to MPEG requirements on protection and distribution MPEG-21

- Collaborative production of a document for MPEG forum, regarding additional/missing requirements of Music distribution and protection and MPEG21, possible presentation of application scenarios.

5.6.5 Invited experts

- James Ingram, Germany
- Xavier Amatrain, UPF, Spain
- Mattias Gruhne, FHG, Germany

DE-7.1.1 — Dissemination


- Adam Lindsay, UK
- Heinz Strauss, SUN Microsystems GmbH , Germany
- Matthias Leopold, Leipzig Library for the Blind, Germany
- Schuyler Quackenbush, Audio Research Labs, US
- Charlotte Pedersen, Digital Sheet Music, The Danish Collaborative
- Niels Rump, RightCom, UK
- Matthew Dovey, UK
- Werner Kriechbaum, IBM Deutschland Entwicklung GmbH
- Sacha Vrazic, SingTone, France
- Jacques Steyn , Monash University
- Nadine BAPTISTE JESSEL, Université Paul SABATIER, France
- Stefan Morent, University of Tuebingen, Germany
- Tillman Weyde, University of Osnabrueck, Germany
- Oscar Celma, IUA - Music Technology Group, Spain
- Giovanni Tummarello, University of Ancona, Italy

5.7 Fourth Open Workshop of MUSICNETWORK, 15th-16th September 2004, Universitat Pompeu Fabra, Barcelona, Spain

MUSICNETWORK organised the 4th Open workshop in September 2004, in Barcelona. The meeting hosted discussion of the following contributions in addition to the above mentioned contribution (Assessment model for SMR” and “Examples on matching technology) related to MPEG.

http://www.interactivemusicnetwork.org/events/Fourth_OpenWorkshop_2004/MUSICNETWORK-4th-Open-Workshop-plan-v1-2.html

5.7.1 Organization and schedule of the workshop

	15 September 2004		16 September 2004	
08:30 - 09:00	registration		registration	
09:00 - 09:30	Opening Session		SMR discussion Presence and Multisensor	
09:30 - 10:30				
10:30 - 11:00	Coffe break			
11:00 - 12:00	Music Notation		SMR discussion	Distribution
12:00-13:00				Education II
13:00 - 14:30	Lunch			
14:30 - 15:30	SMR I	Tutorial 1	Tutorial 2	Tutorial 3
15:30 - 16:30		Analysis	SMR discussion	Performance and Multimedia
16:30 - 17:00	Coffe break			
17:00 - 18:30	SMR discussion	Education I	SMR discussion and conclusions	

5.7.2 Tutorials

- **The Music Publisher as Multimedia, Content Provider**, Davo van Peursen, Muziekgroep Nederland
- **Tutorial on MPEG4 Systems**, Stefano Battista, Bsoft, www.bsoft.info
- **A tutorial on algebraic-oriented paradigmatic music analysis and composition in OpenMusic visual programming language**, Moreno Andreatta, Carlos Agon, Music Representation Team IRCAM Centre Georges Pompidou, Paris, France.

5.7.3 Education

- **A case study of networked sound resources for education in traditional music: the HOTBED project**, Celia Duffy, Head of Research, Royal Scottish Academy of Music and Drama.
- **MUSICDRAW: to Make Music Learning Attractive**, Jacqueline Castaing, University e Paris-Nord, Institut Galile, FRANCE.
- **e-guitare, instrumental e-learning project**, O. SEBASTIEN , N. CONRUYT, IREMIA, Université de la Réunion, France.
- **The TIME Machine: a Futuristic Approach to Interactive Multimedia Web-based Instruction in Music**, Dave Sebald

5.7.4 Analysis

- **Paper Digitization and Analysis**, Kia Ng, Di Jin, Rich Sage and Bee Ong, Interdisciplinary Centre for Scientific Research in Music (ICSRiM), University of Leeds, School of Computing and School of Music,
- **SCORESIFTER: a tool for the analysis of post-tonal music**, Maurizio Gabrieli - Wilma D'Ambrosio.

5.7.5 Distribution

- **Secure Music Content Standard - Content Protection with CodeMeter**, Marcellus Buchheit, Rüdiger Kögl, VP Research and Development.
- **P2P Multimedia Annotation and browsing based on Semantic Web and MPEG-7**: An overview of the DBin Project, Giovanni Tummarello, Christian Morbidoni, Francesco Piazza, Paolo Puliti, Francesco Saletti, Joakim Petersson, Dipartimento di Intelligenza Artificiale, Elettronica e Telecomunicazioni Università Politecnica delle Marche, KTH, IMIT Royal Institute of Technology

5.7.6 Performance and Multimedia

- **Multimedia Application With Interactive Digital Animation For Music Performances**, Nuno Correia, Instituto Superior de Tecnologias Avançadas (ISTEC), PORTUGAL.
- **Musical Interaction at a Distance: Distributed Immersive Performance** by E. Chew, R. Zimmermann, A. A. Sawchuk, C. Kyriakakis, C. Papadopoulos, A.R.J. François, G. Kim, A. Rizzo and A. Volk, from the University of Southern California Viterbi School of Engineering's Integrated Media Systems Center, Los Angeles, CA, USA.

5.7.7 Presence and Multisensor

- **The general framework for PRESENCE**, Alex Bakalokos.
- **MEDIATE: Key Sonic Developments in an Interactive Installation for Children with Autism**, Hans Timmermans, Gerard van Wolferen, Paul Newland, Simon Kunath, Utrecht School of Music and Technology, Utrecht School of the Arts, University of Portsmouth.

5.7.8 Music Notation

- **CapXML - Design Goals**, Prof. Dr. Hartmut Ring, Universitat Siegen.
- **Combining audio and symbolic representations in OpenMusic visual programming language: a multimedia model** of Iannis Xenakis, Nomos Alpha, Moreno Andreatta, Carlos Agon, Music Representation Team, IRCAM.
- **Challenges and Potentials in Freehand Music Editing Using Pen and Digital Ink**, Somnuk Phon-Amnuaisuk.

5.7.9 Assessment and number of attendees

About 45 people attended the workshop. A lot of discussions have been registered at the workshop on the aspects related to distribution, protection, music notation and representation. All the presentations are available on MUSICNETWORK web pages .

http://www.interactivemusicnetwork.org/events/Fourth_OpenWorkshop_2004/MUSICNETWORK-4th-Open-Workshop-plan-v1-2.html

5.8 Workshop of MUSICNETWORK MPEG AHG on SMR: Model Assessment for Symbolic Music Representation, Palma de Mallorca, Spain, 17th October 2004

Fifteen experts participated to the meeting. After the introduction, group activity was divided into three separate “sessions”. The first part of the morning was dedicated to two further input presentations:

Hartmut Ring and Hartmut Lemmel from Capella, Germany: how and in which terms the CapXML format can meet, in its actual status, the major CfP requirements and implement some of the Test Cases were under discussion.

After this, Giuseppe Nicotra from Arca, Italy, presented some issues (and typical test cases) for the representation of music through Braille; a short discussion followed after which it was decided to reintroduce one test case for Braille. Giuseppe Nicotra (ARCA) and Neil McKenzie (FNB) have been charged to propose this test case in a week after the end of the meeting.

The second part of the morning has been dedicated to the finalisation of the table-of-weights for the evaluation process. The process has been carried out without major problems; consensus was reached, item-by-item, either at unanimity or by voting (simple majority). A few aspects were altered. Same weights were initially considered for removal. However, after some discussions, these weights were assigned low values.

Thus the identified aspects in the evaluation model have been kept and weights finalised. Therefore the evaluation model has been finalised at the meeting.

The final session in the afternoon was dedicated to the finalisation of the set of Test Cases for the different requirements and aspects. As for the morning session, consensus was reached item by item and the relevant set of Test Cases to be retained as the final set has been selected.

The results of the workshop and the subsequent activity of MUSICNETWORK partners within MPEG has been the publication of the evaluation model for the SMR.

As a result, we obtained the publication of an official document of ISO MPEG N6812, MPEG2004, ISO/IEC JTC1/SC29/WG11, presenting to the public at world-wide level, the evaluation model and procedure for the “Call for Proposals for Symbolic Music Representation”. “SMR Evaluation Model and Procedure” is accessible at: <http://www.interactivemusicnetwork.org/mpeg-ahg/>

Paolo Nesi	DSI, University of Florence	Italy.
Giorgio Zoia	EPFL	Switzerland.
Pierfrancesco Bellini	DSI, University of Florence	Italy.
Andrea Vallotti	DSI, University of Florence	Italy.
Hartmut Ring	Capella	Germany.
Hartmut Lemmel	Capella	Austria.
Bernd Jungmann	Capella	Germany
Neil McKenzie	FNB	Netherlands.
Maurizio Campanai	Exitech S.r.l./WEDELMUSIC	Italy.
James Ingram		Germany.
Jerome Barthelemy	IRCAM	France.
Georges Carpentier	IRCAM	France.
Kia Ng	ICSRiM, University of Leeds	UK.
Tillman Weyde	University of Osnabrueck	Germany.
Giuseppe Nicotra	Arca Progetti	Italy.

5.9 Workshop of MUSICNETWORK MPEG AHG on SMR: Assessment for Symbolic Music Representation Proposals. IRCAM, France 24th 25th February 2005

The workshop has been held in Paris, France, in February 2005. The meeting has been organised in IRCAM premises. A total of 22 experts attended the meeting. The assessment of the quality of the Symbolic Music Representation models has been performed on the basis of the assessment model. Among the experts only Jacques Steyn, Monash, South Africa has been invited from outside Europe.

During the presentation of proposals, the following documents have been addressed:

- Maurizio Campanai, Pierfrancesco Bellini: “WEDELMUSIC as SMR proposal”
- Tillman Weyde, Hartmut Ring: “Proposal for Symbolic Music Representation Format”
- David Crombie, Roger Lenoir, Neil McKenzie: “Proposed Technology for accessible SMR decoders”
- Giovanni Bertoni, Enrico Bortolazzi, Giuseppe Nicotra: “Proposal for Braille Music Symbolic Representation”
- Hyoung Joong Kim, Yong Soo Choi, Yongju Cho: “On the Symbolic Music Representation of Traditional Korean Music” has been presented again to the AHG by Y. Soo Choi

Verification of the coverage of the requirements being foreseen for the successive phases of the meeting, presentations were more biased towards the overall proposal concept, review of the submitted material and way to navigate through this material for replication of the results through evidence.

Comparing the WEDELMUSIC and CAPELLA/MUSITECH proposals, results can be summarized as follows:

- No particular comments on the method for assessing the proposals, the process has been accepted and acknowledged by all meeting people.
- Overall WEDELMUSIC verified assessment: 0.70 (see w6812 for the overall equation)
- Overall CAPELLA verified assessment: 0.52 (see w6812 for the overall equation)
- Both solutions have been assessed to be 1.0 for MPEG integration (integration is possible and easy to obtain in both cases and on all specific requirements).

- Both of the above proposals do not cover the aspects on Braille and Spoken Music with an averaged YES by the experts. These aspects are addressed by other proposals. These additional proposals address what is identified as ACCESSIBLE MUSIC.

The experts of the AHG assessed the ARCA and FNB proposals for aspects in which they provided claims.

In principle, both FNB and ARCA propose to use the SMR-RM0 for demonstrating Braille Music applications, and in addition:

- ARCA proposes to contribute to SMR-RM0 to improve/amend it to cope with Braille Music.
- FNB proposes to use the SMR-RM0 for demonstrating Spoken Music applications in core experiments.

The results for the verification of the above proposal were:

- ARCA Aspect 2.2, average score equal to 4.286 (agreeing to the claim of the proponent in a 0 to 5 scale).
- FNB Aspect 2.2, average score equal to 4.286 (agreeing to the claim of the proponent in a 0 to 5 scale).
- FNB Aspect 2.3, average score equal to 4.571 (agreeing to the claim of the proponent in a 0 to 5 scale).

Attendance List

Paolo Nesi	DSI, University of Florence	Italy
Giorgio Zoia	EPFL – ITS	Switzerland
Pierfrancesco Bellini	DSI, University of Florence	Italy
Nicola Mitolo	DSI, University of Florence	Italy
David Crombie	FNB	Netherlands
Neil McKenzie	FNB	Netherlands
James Ingram		Germany
Hartmut Ring	Capella	Germany
Bernd Jungmann	Capella	Germany
Tillman Weyde	University of Osnabrueck	Germany
Giovanni Bertoni	ARCA Progetti	Italy
Giuseppe Nicotra	ARCA Progetti	Italy
Maurizio Alafaci	ARCA Progetti	Italy
Roberto Grisley	ANSC	Italy
Jerome Barthelemy	IRCAM	France
Gregoire Carpentier	IRCAM	France
Kia Ng	ICSRiM, University of Leeds	UK
Bee Ong	ICSRiM, University of Leeds	UK
Michel Girer	Listesso	France
Yong Soo Choi	KNBC	Korea
Martin Schmucker	FhG IGD	Germany
Jacques Steyn	Monash	South Africa

5.10 MusikMesse, 6-9 April 2005, Frankfurth, Germany

The international Musikmesse Frankfurt is the world's biggest international trade fair for musical instruments, music software, computer hardware, sheet music and accessories.

It is a pole of attraction for the music trade, for the industry and craftspeople, for music publishers, music teachers and the event business, and has successfully been exercising this power of attraction non-stop for the last 25 years.

Last held in April, it once again attracted more than 2,000 companies from 50 countries and brand worlds on 110,000 square metres of high-grade exhibition space.

More than 92,720 trade visitors and music lovers from around 100 countries of the world attended the event.

To promote the MUSICNETWORK in this event two activities have been performed:

MUSICNETWORK Project

- a flyer distribution and
- an activity to search contacts

In total of about 200 flyers have been distributed during the events and more that 25 contacts have been established with companies and organizations that potentially have interest to MUSICNETWORK services and activities.

5.11 E-learning Conference, Bruxelles 19-20 May 2005,

The eLearning conference in Brussels is the first pan-European eLearning conference, which brings together 500 stakeholders from industry, education, the social partners, civil society and governments to take stock of good practice and generally the added value of using ICT in education and training from a variety of perspectives. <http://www.elearningconference.org/exhibition/index.htm>

Participation is invited from practitioners, teachers, trainers, educational authorities, ministries of education, learners, employers, trade unions, and private sector actors and the IT industry.

This event is been an opportunity for the MUSICNETWORK to have a vision of European eLearning policies, to follow the situation existing today, to contact IT industries and organizations and to promote his activities.

The eLearning Conference was hosting an exhibition with projects and initiatives that showcase the benefits and achievements of eLearning. The projects and initiatives on display at some 40 stands are run by a wide range of organisations, such as research centres, corporations, associations, universities and the European Commission.

The exhibition gives MUSICNETWORK, that was present as exhibitor, the opportunity to discover some concrete results of eLearning projects, as well as recent eLearning experiences and techniques.

During the conference the MUSICNETWORK stand is been visited by about 15 person and have collected about 80 contacts.

5.12 European Research and Innovation Exhibition, Paris, 3-5 June 2005

The European Research & Innovation Exhibition is an international exhibition addressing the general public and is divided into four main areas:

- Europe (community institution and European research programmes, with many European stands);
- Regional Development, Innovation & Research Applications (start-up for innovative companies, business incubators, finance, technology parks, local authorities);
- Research & Education (universities and public research organizations); and
- Research & Enterprise (major international groups and private laboratories)

http://www.salon-de-la-recherche.com/index_en.php

23,930 visitors and 145 exhibitors have attended this event.

The exhibition is been an opportunity for MUSICNETWORK to present own activities and needs, develop contacts, participate in projects, start partnerships and negotiate financing for new businesses or research programs.

To promote the MUSICNETWORK activities during this event, two activities have been planned: to distribute at least 200 flyers (in French, English, German and Italian) and to search contacts with organizations and companies that could be interested.

21 contacts have been achieved during this event, mainly with very important industries (Microsoft Research, France Telecom, Vocalcomm, etc.) and Universities.

6 Dissemination Material

The available dissemination material is:

- Logo of the project
- New version of flyer in A4 format (in English, Italian, French and German), paper and digital in two versions

- MUSICNETWORK Folder
- A document with web site statistics and services offered by the MUSICNETWORK
- Promotional CDs. The content is mainly focussed on reporting events, related documents, major public deliverables and providing links to the large database of documents and information contained in MUSICNETWORK web site.
- Card flyer for the invitation to the Musik messe.
- WWW pages, they have been updated and completely restructured a couple of times.
- Articles mentioned in the next section.
- Posters to be used during exhibitions and for covering stand walls.
- Hundreds of Informative emails and tens of newsletters.
- Short and long presentation with Slides in Power Point
- Multilingual presentation page of the MUSICNETWORK: Italian, English, Greek, German, France, Dutch.
- Revised version of the PULMAN Guidelines by MUSICNETWORK.
- Updated version of the WWW pages of the MUSICNETWORK.
- Several reports describing the technical state of the art as promoted by the single Working Groups

6.1 List of MUSICNETWORK Slides

Most of the slides listed are available for free download on the www site.

- General presentation of the MUSICNETWORK, revised in several versions
- Presentation of MUSICNETWORK at IAMIC conference, Rome, July 2003
- Statistic report of the MUSICNETWORK, presented at the Second Open Workshop of the MUSICNETWORK.
- Presentation of the MUSICNETWORK at EVA 2003 in Florence, March 2003.
- Presentation at MIDEM 2003, in a panel organised by IAMIC, P Nesi has been invited to be a panel list members.
- Presentation of MUSICNETWORK at the MINERVA Meeting in Rome November 2003.
- Presentation of MUSICNETWORK for the European Music Navigator 2003.
- Presentation for the Concertation Meeting of the EC, 18 November 2002, Luxemburg.
- Presentation for the Concertation Meeting of the EC, January 27-28 2003, Luxemburg. Flyer distribution, presentation of Music Evolution and innovative needs
- Presentation for the Community memory Concertation Meeting of the EC: June 2003, Luxemburg, presentation of MUSICNETWORK and area evolution
- Slides for presenting the contribution of the MUSICNETWORK to MPEG.

6.2 Flyers, Folders, cards and posters

- General flyer of the MUSICNETWORK. It has been produced in its first version since the first month. We are now at the forth version. We have distributed 3000 flyers A4, plus 1000 cards. We have presently 1000 flyers in the new shape, printed in late December 2003, to distribute.
- Special inviting cards have been created and distributed are the Musik Messe, about 500.
- A set of posters have been created and used at the Musik Messe and in all the events of the MUSICNETWORK. The massive publication of the posters for their public distribution has not presently considered as valuable and profitable in terms of return.
- A new updated version of MUSICNETWORK Flyer has been produced in April 2005 (ver. 6.2) in 7000 copies in A4 format. (4000 in English, 1000 in German, 1000 in Italian and 1000 in French).
- 1000 copies of MUSICNETWORK folder has been produced in April 2005

6.3 WWW pages, the MUSICNETWORK Portal: www.interactivemusicnetwork.org

A description of the www pages is reported in the specification. The main dissemination features of the WWW site of the MUSICNETWORK are:

- The www site of the MUSICNETWORK with his pages is connected to the major institutions of the world in this field. More than 200 participants are now filling their personal pages to complete the cross linking and indexing of their skill into the MUSICNETWORK www site. The page result visible and even by using only "interactiveMUSICNETWORK" as searching key word on Google 539 sites are identified. At the beginning no sites were extracted with that keyword.

- The WWW site has been set up with the major services:
 - Multilingual presentation of the MUSICNETWORK
 - Presentation of the working group
 - Documentation and documents, upload and download with direct indexing
 - Mailing lists of working groups
 - 10 Forums and working groups
 - personal pages of the participants.
 - Question and answer service
 - Research group presentation and activities
 - Internet links of interest
 - Survey on state-of-the-art technologies
 - Event and fairs announcements
 - Test cases database
 - Presentation of expert's results
 - Access to an up-to-date bibliography
 - Forum and mailing list for discussion of problems
 - Identification of major sources of information
 - Easy access for Visually Impaired people (partial)
 - Management of the newsletters
 - Estimation of statistics and their publication
 - Presentation of the most downloaded documents
 - Presentation of the most interesting discussions forums and topics
 - Distribution of a specific mailing list for each WG
 - Search engine among HTML pages, documents, etc.
 - Management of personal web pages for companies
 - Administrations tools
 - Registration and updating the registration of participants
 - Etc.

6.4 List of published articles on MUSICNETWORK

- ICMIAI 2002, Edinburgh, UK, article, <http://www.music.ed.ac.uk/icmai/programme.html> “bringing music into the multimedia age”.
- A short article on the Cultivate newsletter
- EVA Florence, Italy, March 2003, Article, “To Bring Music Industry into the Interactive Multimedia age”.
- EVA London, UK, July 2003, Article, “Music industry with interactive multimedia technology”
- A long article in the German IAML Newsletter “Forum Musikbibliotheken” (MICA), February 2003
- A short announce in an article on ACM Transaction on Human Computer Interaction
- Announces in three chapters that will be pressed in Computer Music Books.
- Several short messages in relevant www sites: ministry, EC, news, etc.
- CMJ: announce on Computer Music Journal, MIT press, about the First Open Workshop
- CMJ: description on Computer , MIT pres, about the summary of the Open Workshop Co-located with the WEDELMUSIC conference
- eCulture newsletter article on December/January on accessible music where FNB emphasises the MUSICNETWORK activities.
- IEEE Multimedia article on MPEG SMR, under press
- Article and AICA Congress, Benevento, Italy
- Article to EVA London 2005
- Submitted Article to AXMEDIS 2005
- Many input documents produced for MPEG see the list in the Appendix.

6.5 Additional Dissemination and technical Documents

The production of the following documents has been coordinated by the MUSICNETWORK, for some of them the contribution has been only the coordination:

- WG- Music Notation, WG- Presentation and aim, Summary of the sections in Darmstadt 2002, Bellini and Nesi Positions on the Perfect Model of Music Notation and on Music Notation and XML.
- MUSICNETWORK, music notation scenarios for the future. Preliminary version.
- Music Notation Requirements, ver. 1.3, produced at the Leeds meeting
- First version of the Music Notation Requirements documents of the MPEG AHG on MN req.
- Musical Notation and Multimedia Standards, J. Barthélemy, IRCAM
- Title: MPEG21 easy. A tutorial on MPEG21 framework activities. Author: Simone Fontanelli, Rigel Engineering. Description: A brief introduction to the MPEG21 world. Version: 0.1 (Draft)PDF
- The “Asset Management Integration of Cultural Heritage in the Inter-Exchange between Archives” (AMICITIA) was an IST Demonstration project. Digital preservation of and access to television and video content was among the objectives of AMICITIA. The result of AMICITIA is a base system that was designed to fulfil typical requirements like preservation, quality, flexibility, usability, security or availability. One issues of AMICITIA was rights management, which is shortly described in this document. (pdf document)
- This technical report analyses the Apple iTunes Music Store and its success factors. Besides the technical aspects, user and customer aspects as well as content aspects are considered. Furthermore, iTunes Music Store's impact to online music distribution services is analysed and a short outlook to future music online distribution is given.
- Draft document about BuyMusic.com service
- Draft Excel document listing evaluation criteria and metrics to compare iTunes and BuyMusic.com on-line distribution systems.
- Title: technology survey, Version: 1.1, Author: Rigel Engineering, Description: survey of the main technologies currently available in the large market of technical solutions and systems for on-line distribution of digital content.
- document produced by MUSICNETWORK, titled “ The Sheet Music Publisher Scenario”, written by Martin Schmucker (Fraunhofer-IGD), Michel Girer (Listesso), Bernhard Günther (MICA) and Francesco Spadoni (Rigel Engineering), has been considered as an official source of information regarding requirements and state of the art of the Music Sheet market and best practice: <http://www.dmpf.org/open/dmp0169.zip> .
- Optical Music Recognition (OMR) bibliography, v.1.1 -- Feb 2003. End Note version.
- OMR Quick-Test v0.1 (dataset in PDF)
- Test cases for assessing OMR applications, identified by Ivan Bruno and Paolo Nesi. They are referred to the Workshop on Optical Music Recognition in the Second Open Workshop of the MUSICNETWORK
- Assessing Optical Music recognition, Related to the file of test cases called Test-Cases-OMR.zip, that is uploaded too.
- Introduction and programme of the Workshop on Optical Music Recognition, 2nd MUSICNETWORK Open Workshop (Kia Ng)
- WG Accessibility Presentation (2), Darmstadt, 12/02
- Statistics about the MUSICNETWORK participants and activities: <http://www.interactivemusicnetwork.org/statistics/musicnetwork-statistics-v1-0.pdf?PHPSESSID=38e77f30d6b341059c7e82cdfc690450>

All the above mentioned additional documents and many others can be downloaded from the project www site in the download areas of the corresponding Working Groups.

6.6 Activity and documents on MPEG

The MUSICNETWORK stated and activity on collecting detailed requirements about the music notation and its integration on multimedia. These requirements include: format analysis, and activities for defining the requirements and the functionalities of the new standard.

A set of contributions of MUSICNETWORK has been produced for MPEG about music notation integration with MPEG see in the Sections 9.

7 Planned Activity

7.1 Fifth Open Workshop, July 2005, Vienna, Austria

The 5th Open Workshop of MUSICNETWORK will be held in July 2005 in Vienna (Austria).

The theme of the 5th Open Workshop is the Integration of Music in Multimedia applications. Currently many new music-related applications are strongly impacting and attracting the market. Most of them will become more and more widespread in a short time due to users' demand.

Among most addressed sectors the one presenting more notable form of integration between music and multimedia there are: music education, music management in libraries, entertainment, cognitive and music, music and multimedia music distribution and protection, business and transaction model, valorisation of cultural heritage, electronic consumer applications, mobile applications for education and entertainment.

http://www.interactivemusicnetwork.org/events/doc_eventi/38_5th-Open-Workshop-of-MUSICNETWORK_draft-v2-06.html

The 5th Open Workshop will be organized around the following sections. For each section we are open to receive proposals and contributions:

- **Applications and Technical papers**, chairs: Andrea Khol (MICA, khol@mica.at), Francesco Spadoni (RIGEL, spadoni@rigel.li.it).
- **MPEG SMR, Symbolic Music Representation, State of the art report**: Chairs: Paolo Nesi (DSI, nesi@dsi.unifi.it), Giorgio Zoia (EPFL, Giorgio.Zoia@epfl.ch).
- **Imaging and Interactivity session**. Chairs: Kia Ng (ICSRiM – University of Leeds, kia@comp.leeds.ac.uk) and David Crombie (FNB, dcrombie@fnb.nl).
- **Exposition Area, Demonstrations and papers**, chairs: Giuseppe Nicotra (ARCA, nicotra@dodiesis.com), Michel Girer (LISTESSO, info@listesso.com)
- **Tutorials/Survey on Music/Multimedia Technologies**, Jerome Barthelemy (IRCAM, Jerome.Barthelemy@ircam.fr), Nicola Mitolo (DSI, mitolo@dsi.unifi.it).

In total 29 experts have been invited to contribute to the 5th Open Workshop, three of them comes from USA. The other 26 will come from Europe. Some of them will be supported.

First Name	Last name	email	Affiliation
Don	Byrd	donbyrd@imap4.indiana.edu	Indiana Univ.
Steven	Newcomb	srn@coolheads.com, srn@techno.com	Coolheads consulting
Tom	White	twhite@midi.org	MIDI.ORG
Eleanor	Selfridge-Field	esfield@stanford.edu; esf@ccrma.stanford.edu	Stanford Univ.

7.1.1 Schedule of the workshop

5th MUSICNETWORK Open Workshop - DRAFT PROGRAMME									
July 4					July 5				
	Room 1		Room 2			Room 1		Room 2	
09.00 - 09.30	Registration				09.00 - 09.30	WGs Reports		Demo session	
09.30 - 10.30	Plenary session				09.30 - 10.00	Imaging			
					10.00 - 10.30				
10.30 - 11.00	Coffee break				10.30 - 11.00	Coffee break			
11.00 - 11.30	WGs Reports		Application and tech. Papers		11.00 - 11.30	Imaging		Demo session	
11.30 - 12. 00					11.30 - 12.00				
12.00 - 12.30					12.00 - 12.30				
12.30 - 13.00					12.30 - 13.00	MPEG-SMR			
13.00 - 14.30	Lunch				13.00 - 14.30	Lunch			
14.30 - 15.00	WGs Reports		Application and tech. Papers		14.30 - 15.00	Panel session		Tutorial	
15.00 - 15.30					15.00 - 15.30				
15.30 - 16.00					15.30 - 16.00				
16.00 - 16.30	Coffee break								

7.1.2 Application and technical paper

No. 1 - Algorithmic Composition as a tool for understanding musical mechanisms (Maurizio Gabrieli, Conservatory of S. Cecilia in Rome, Italy).

No. 5 - The Concept of a Visual Interface for Conducting Humans and Synthesizers (Reinhold Behringer, Rockwell Scientific Company, USA).

No. 10 - Weighted Scales A High-Level Descriptor in the MPEG-7 Framework (Grégoire Carpentier, IRCAM, France).

No. 11 - Reviewing Interactivity Issues in Music Tutoring System (Somnuk Phon-Amnuaisuk, Multimedia University, Malaysia).

No. 15 - An Advanced System for Content-based Access to Music Information (Frank Kurth, University of Bonn, Germany).

No. 21 - EXTRACTING QUALITY PARAMETERS FOR COMPRESSED AUDIO USING AUDIO FINGERPRINTS (Peter Jan Doets, Delft University of Technology, The Netherlands).

No. 28 - Content based Organisation of Digital Audio Collections (Robert Neumayer, Vienna University of Technology Austria).

7.1.3 MPEG and SMR

No. 12 - Dynamic and Interactive Visualisations of MPEG Symbolic Music Representation (Tillman Weyde, City University London, GB).

7.1.4 Imaging and Interactivity session

No. 6 - Multisensory Interactive Installation (Daniela Voto, University of Florence, Italy).

No. 9 - A Report on the User Experiments in the Distributed Immersive Performance (DIP) Project (Elaine Chew, University of Southern California, USA).

No. 16 - COST287-ConGAS: Gesture Controlled Audio Systems (Nicola Bernardini, Media Innovation Unit - Firenze Tecnologia, Italy).

No. 18 - Enhancing Electronic Music Tuition Systems with Virtual Reality Tools (Dimitrios Koutsonanos, Informatics and Telematics Institute of Thessaloniki, Greece).

No. 19 - Eyes4Ears - More than a Classical Music Retrieval System, Dirk Habich (Dresden University of Technology, Database Technology Group).

No. 20 - Measuring Non-Spontaneous Interactivity: An Opera-related Case Study (Florian Hammer, Forschungszentrum Telekommunikation Wien, Austria).

7.1.5 Exposition Area, Demonstrations and papers

No. 13 - IMUTUS - Interactive Music Tuition System (Spyros Raptis, ILSP, Greece).

No. 14 - Sheets music: Conditions for downloading (Michel Girer, LISTESSO, France).

No. 22 - StreamOnTheFly: a Peer-to-peer Network for Radio Stations and podCasters (Thomas Thurner, Team Teichenberg, Austria).

No. 24 - The mSpace classical music explorer – improving access to (classical) music for real people (Monica Mc Schraefel, University of Southampton, GB).

No. 25 - Using Music to Promote Physical Well-Being via Computer-Mediated Interaction (Mats Liljedal, Sonic research studio of the Interactive Institute of Sweden).

No. 26 - EAR Toner (Tom Jensen, USA).

No. 27 - Adaptive Personalisation: A Multi-Dimensional Approach to Boosting a large scale Mobile Music Portal (Erich Gstrein, ARC Studios Seibersdorf, Austria).

No. 30 - Vienna Symphony Library (Mr. Tucmandl, Vienna Symphonic Library, Austria).

7.1.6 Tutorials/Survey on Music/Multimedia Technologies

No. 8 - AN EFFICIENT ALGORITHM FOR MOTIVIC PATTERN EXTRACTION BASED ON A COGNITIVE MODELING (Olivier Lartillot-Nakamura, University of Jyväskylä, Department of Music, Finland).

No. 17 - Musical Acts and Musical Agents (David Murray-Rust, University of Edinburgh, GB).

No. 29 - Alternative Distribution Models: Social Distribution Networks (Martin Schmucker, Fraunhofer IGD Darmstadt, Germany).

7.1.7 Other submitted papers

No. 31 - Sound and Music Archives (Maurizio Lunghi, Discoteca di Stato, Italy).

No. 2 - COGNITION ET CRÉATION - Explorations cognitives des processus de conception (Mario Borrillo, Institut de Recherche en Informatique de Toulouse Université Paul Sabatier, France).

No. 3 - APPROCHES COGNITIVES DE LA CRÉATION ARTISTIQUE (Mario Borrillo, Institut de Recherche en Informatique de Toulouse Université Paul Sabatier, France).

No. 4 - Three-Dimensional Sound for Multimedia Applications (Daniel Dobler, Audite OEG).

No. 7 - DigiPatterns - interactive guitar teaching software program (Gavin Audagnotti, ...).

No. 23 - Liquid Sounds. Digital Music Trends in Italy (Lorenzo Facchinotti, CommStrategy, Italy).

Actually about 50 person will attend the meeting.

7.2 AXMEDIS 2005

The MUSICNETOWKR has been invited by AXMEDIS to manage a workshop of a 4 hours at the AXMEDIS 2005 conference that will be held in Florence at the end of November 2005. (www.axmedis.org)

7.3 Next Forthcoming Already Identified Conferences

- IAML/IASA 2005, Conference of the International Association of Music Library (MICA, FNB). Flyer distribution.
- 73 MPEG meeting of July 2005, Poznań, Poland
- MPEG meetings in the whole 2005
- MUSICNETWORK consortium have submitted a proposal for a Workshop at the ICMC conference that will be held in Barcelona in September 2005. (<http://www.icmc2005.org>)
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8 Where the MUSICNETWORK is mentioned

The MUSICNETWORK web site is mentioned approximately in 730 web sites.

Even if more of them reports only the calls for MUSICNETWORK conferences, some of them have specific articles on MUSICNETWORK. For Example the IST Results web site, reports 13 links with the MUSICNETWORK.

The following list the most important web site where the MUSICNETWORK is mentioned with specific articles or links.

List of web sites with important results	
Affiliation	Web page
IST Results	13 results in http://istresults.cordis.lu/
IAML	5 results in http://www.iaml.info/
Calimera EU Project	7 results in http://www.calimera.org
El.pub, Electronic Publishing R&D news and resources	5 results in http://www.elpub.org/
EUAIN – European Accessible Information Network	7 results in http://www.euain.org/modules/wfsection/
CoverPage, Online resource for maukup language technology	http://xml.coverpages.org/xmlMusic.html
MIT – Minister for Innovation and Technologies	http://www.innovazione.gov.it/ MUSICNETWORK is mentioned into the web pages and in the DRM report
The Norwegian Music Library Association	http://www.nmbf.musikk.no/stikknoten/stikk0401/stikk0401-03.html
Canadian	http://sky.prohosting.com/acbm/en/review/31-3/IAML.htm

Association of Music Libraries, Archives, and Documentation Centres (CAML)	
IAMIC	http://www.iamic.net/news/may03/index.html
List of sites where MUSICNETWORK workshops are mentioned	
Affiliation	Web page
AMIC Italia	http://www.amic.it/risorse/convegni.htm
AIIA	http://studi131.casaccia.enea.it/enea/aiaa/altri.html
Digital Music Research Network	http://www.elec.qmul.ac.uk/dmrn/conferences.html
Bibliotheksservice-Zentrums Baden-Württemberg	http://www.bsz-bw.de/wwwroot/text/fabioMU.html
ELSNET – European Network of Excellence in Human Language Technologies	http://www.elsnet.org/
Jewish Music WebCenter	6 results in http://www.jmwc.org/
ICMA - International Computer Music Association	http://www.computermusic.org/array.php
EMF – Electronic Music Foundation	http://www.emf.org/cgi-bin/opps_search.pl?keywords=conferences
EUROPAFLASH	http://www.diba.es/europa/INCLUDES/flash72.html
FIRST – Finanziamento per l’Innovazione, la Ricerca e lo Sviluppo Tecnologico	http://first.aster.it/news/search_news.asp
la Lettre de l’Arche	http://www.club-arche-med.org/lettre-arche/?q=musicnetwork
The Science and Technology Library of Guangdong Province, China	http://www.stlib.gd.cn/newtech/dzxx/xsjl/hyyg/IEEEhy/0309.htm
Welcome to the Czech Theatre Web Site	http://www.divadlo.cz/art/clanek.asp?id=2981
The Project Culturenet Croatia	http://www.culturenet.hr/v1/novo/infoservis/read.asp?id_txt=2770
Culturelink Network (UNESCO)	http://www.culturelink.org/conf/diary/2004.html
Software Engineering Research Laboratory, University of Colorado	http://serl.cs.colorado.edu/~serl/seworld/database/4186.html
Sociedade Brasileira de Computação	http://www.sbc.org.br/index.php?language=2&subject=248&content=news&id=2099
List of web sites with links to MUSICNETWORK home page	

Affiliation	Web page
FOLDEN - eMarketing & iMedia Directory	http://www.folden.info/audiovideosoftware.shtml
Sheet Music Now	http://www.sheetmusicnow.com/links/
EICSTES EU Project	http://www.eicstes.org/events.htm
MIR System – Music Information Retrieval System	http://mirsystems.info/index.php?id=420
Stelkens enterprise	http://www.stelkens.de/synthresearch/index.php?kat1=52
OPIB, Observatory for International Library Programmes	http://www.opib.librari.beniculturali.it/english/progetti/index.html
Vrije Universiteit, Amsterdam	http://www.cs.vu.nl/~eliens/online/media/course/resources-music.html
University of La Verne, Music Department, California	http://www.ulv.edu/music/resources/

9 MPEG ISO DOCUMENTS provoked by the MUSICNETWORK

All the information and documents that have been used to create the following documents are accessible as single or multiple pages on the MPEG AHG main web page (MPEG, ISO/IEC JTC1/SC29/WG11):

<http://www.interactivemusicnetwork.org/mpeg-ahg/index.html>

- M9731, Paolo Nesi, DSI, University of Firenze, Italy, Giorgio Zoia, EPFL, Switzerland, Jerome Barthelemy, IRCAM, France, Pierfrancesco Bellini, DSI, University of Firenze, Italy, David Fuschi, ILABS, GIUNTI, Italy, David Crombie, FNB, The Netherlands, Francesco Spadoni, RIGEL, Italy, Kia Ng, University of Leeds, UK, Martin Schmucker, FHGIGD, Germany; “Proposal for Music Notation Modeling and its Integration within MPEG-4 and MPEG-7”, MUSICNETWORK IST Network and related working groups (DSI, IRCAM, EPFL), Throndenheime, Norway, July 2003.
- M10068, Paolo Nesi (DSI, University of Firenze), Giorgio Zoia (EPFL), Pierfrancesco Bellini (DSI, University of Firenze), Jerome Barthelemy (IRCAM). “Music Notation Application Requirements and MPEG Technology”, AHG on Music Notation Requirements, Brisbane, Australia, October 2003.
- M10355, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Giorgio Zoia (EPFL), Jerome Barthelemy (IRCAM), “Music Notation Functionality and Interface to MPEG”, AHG on Music Notation Requirements, Waikoloa, USA, December 2003.
- M10357, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Giorgio Zoia (EPFL), Jerome Barthelemy (IRCAM), “Music Notation Technical Requirements”, AHG on Music Notation Requirements, Waikoloa, USA, December 2003.
- M10568, Jerome Barthelemy, Benoit Meudic, Marc Texier, “Proposal for Music Instrumentation and Weighted Scales Descriptors and Descriptor Scheme”, as a result of the workshop on Music Libraries.
- M10622, Giorgio Zoia (EPFL), James Ingram, “A new Application Scenario for Music Notation in MPEG”. This document presented the “synthetic opera” application scenario, introducing new requirements in terms of interaction with other media, including visual SNHC, and in terms of content protection (MPEG-4 IPMP/IPMPX). AHG on Music Notation Requirements / MUSICNETWORK, Munich, Germany, March 2004.
- M10654, MPEG2004, ISO/IEC JTC1/SC29/WG11, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Giorgio Zoia (EPFL), Jerome Barthelemy (IRCAM),

“Music Notation Technical Requirements and Integration in MPEG-4”, AHG on Music Notation Requirements / MUSICNETWORK, Munich, Germany, March 2004.

- M10661: MPEG2004, ISO/IEC JTC1/SC29/WG11, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Giorgio Zoia (EPFL), Jerome Barthelemy (IRCAM) “Proceedings of AHG on Music Notation Requirements / MUSICNETWORK”. This document includes all together most of the contributions by different experts; it includes further examples of music notation related applications and examples of music notation xml formats and tools. Munich, Germany, March 2004.
- M11002, James Ingram, “Position Paper about the SMR Draft Call for Proposals”, Containing some comments on document M11083 provided by James Ingram. AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11019, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Jerome Barthelemy (IRCAM), James Ingram, David Crombie, “Draft Evaluation Criteria for Assessing SMR Proposals”, AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11021, Paolo Nesi (DSI, University of Firenze), Pierfrancesco Bellini (DSI, University of Firenze), Jerome Barthelemy (IRCAM), James Ingram, David Crombie, Neil McKenzie, “Examples of Matching SMR aspects and available technologies”, AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11022, G. Zoia, Jerome Barthelemy, Pierfrancesco Bellini, Paolo Nesi and Mikael Bourges Sevenier (Mindego inc.), “Graphic functionality in MPEG-4 and Symbolic Music Representation”, AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11025, Paolo Nesi, Giorgio Zoia, James Ingram, Pierfrancesco Bellini, “Study on Draft CfP on Symbolic Music Representation”, AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11083, Michael Good, “Response to Draft Call for Proposals N6457”, containing comments on the last version of the Draft Call for Technology on SMR, from Michael Good, Recordare, US; AHG on Symbolic Music Representation, Redmond, Washington state, USA, July 2004,
- M11250, David Crombie, Roger Lenoir, Neil McKenzie, “Accessible Information in MPEG”, Palma de Mallorca, Spain, October 2004
- M11307, Paolo Nesi, Giorgio Zoia, James Ingram, Pierfrancesco Bellini, Jerome Barthelemy, M. Campanai, Kia Ng, Giuseppe Nicotra, David Crombie, “Proposed SMR Evaluation Model and Procedure”, AHG on Symbolic Music Representation / MUSICNETWORK, Palma de Mallorca, Spain, October 2004, accessible at: <http://www.interactivemusicnetwork.org/mpeg-ahg/Proposed-SMR-Evaluation-Procedure-v1-0.doc>
- M11313, Jerome Barthelemy, Gregoire Carpentier, “Proposal for a Core Experiment of WeightedScalesDS”, Palma de Mallorca, Spain, October 2004.
- M11354, Giorgio Zoia, Pierfrancesco Bellini, Paolo Nesi, Jerome Barthelemy, “MPEG-4 and SMR: report on available functionality for graphics”, AHG on Symbolic Music Representation / MUSICNETWORK, Palma de Mallorca, Spain, October 2004,
- M11542 – David Crombie, Roger Lenoir, Neil McKenzie: “Proposed Technology for accessible SMR decoders”, Hong Kong, Cina, January 2005.
- M11554 – Maurizio Campanai, Pierfrancesco Bellini: “WEDELMUSIC as SMR proposal”, Hong Kong, Cina, January 2005.
- M11560 – G. Bertoni: “Proposal for Braille Music Symbolic Representation”, Hong Kong, Cina, January 2005.
- M11601 – Tillmann Weyde, Hartmut Ring: “Proposal for Symbolic Music Representation Format”, Hong Kong, Cina, January 2005.
- M11630 - Hyoung-Joong Kim, Yong-Soo Choi, Yong-Ju Cho: “SMR on the Korean Symbolic Music Representation”, Hong Kong, Cina, January 2005.

9.1 OFFICIAL PUBLIC and OUTPUT MPEG ISO DOCUMENTS provoked by the MUSICNETWORK

All the content that has been used to create the following documents are accessible as single or multiple pages attached to the MPEG AHG main web page:

<http://www.interactivemusicnetwork.org/mpeg-ahg/index.html>

- N6049, MPEG2003, ISO/IEC JTC1/SC29/WG11, Paolo Nesi (DSI, University of Firenze), Giorgio Zoia (EPFL), Pierfrancesco Bellini (DSI, University of Firenze), Jerome Barthelemy (IRCAM), “Application Requirements of Multimedia and Music Notation”, AHG on Music Notation Requirements / MUSICNETWORK, Brisbane, Australia, October 2003. (ISO public Document ISO/IEC JTC 1/SC 29/WG 11 N6049)
- N6149, MPEG2003, ISO/IEC JTC1/SC29/WG11, Giorgio Zoia (EPFL), Paolo Nesi, Pierfrancesco Bellini (DSI, University of Firenze), Jerome Barthelemy (IRCAM), “Application Scenarios for Music Notation integrated in MPEG”, AHG on Music Notation Requirements / MUSICNETWORK, December 2003, Waikoloa, Hawaii, USA, (ISO public Document as ISO/IEC JTC 1/SC 29/WG 11 N6149).
- N6454, MPEG2004, ISO/IEC JTC1/SC29/WG11, “Workplan for Core Experiment on Music Instrumentation and Weighted Scale Type”, March 2004, Munich, Germany.
- N6457, MPEG2004, ISO/IEC JTC1/SC29/WG11, “Draft Call for Proposals for Symbolic Music Representation”, AHG on Music Notation Requirements / MUSICNETWORK, March 2004, Munich, Germany, (ISO public Document as ISO/IEC JTC 1/SC 29/WG 11 N6457).
- N6689, MPEG2004, ISO/IEC JTC1/SC29/WG11, “Call for Proposals on Symbolic Music Representation”, Audio Subgroup, Public document, Redmond, USA, July 2004. (ISO public Document ISO/IEC JTC 1/SC 29/WG 11 N6689) accessible at: <http://www.interactivemusicnetwork.org/mpeg-ahg/w6689.zip>
- N6690, MPEG2004, ISO/IEC JTC1/SC29/WG11, “DRAFT SMR Evaluation Procedure”, Audio Subgroup, Public document, Redmond, USA, July 2004. (ISO public Document ISO/IEC JTC 1/SC 29/WG 11 N6690) accessible at: <http://www.interactivemusicnetwork.org/mpeg-ahg/w6690%20%28DRAFT%20SMR%20Evaluation%20Procedure%29.doc>
- N6812, MPEG2004, ISO/IEC JTC1/SC29/WG11, “SMR Evaluation Model and Procedure”, Audio Subgroup, Public document, Palma de Mallorca, Spain, October 2004. (ISO public Document ISO/IEC JTC 1/SC 29/WG 11 N6812) accessible at: <http://www.interactivemusicnetwork.org/mpeg-ahg/>
- N7038, MPEG2005, ISO/IEC JTC1/SC29/WG11, Workplan for the Evaluation of Responses to the CFP on SMR, Hong Kong, January, Cina, (ISO Document ISO/IEC JTC 1/SC 29/WG 11)
- N7048, mandate of the MPEG AHG on SMR, Hong Kong, January, Cina, (ISO Document ISO/IEC JTC 1/SC 29/WG 11)
- N7152, MPEG2005, ISO/IEC JTC1/SC29/WG11, Audio Subgroup, Report on Symbolic Music Representation RM0 Selection, April 2005, Busan, Korea (ISO Document ISO/IEC JTC 1/SC 29/WG 11)
- N7153, MPEG2005, ISO/IEC JTC1/SC29/WG11, Audio Subgroup, Workplan for Symbolic Music Representation, April 2005, Busan, Korea (ISO Document ISO/IEC JTC 1/SC 29/WG 11)
- N7162, mandate of the MPEG AHG on SMR, April 2005, Busan, Korea (ISO Document ISO/IEC JTC 1/SC 29/WG 11)