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|  | Moving Picture, Audio and Data Coding by Artificial Intelligencewww.mpai.community |

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| **Public document** |
| **N172** | 2021/02/17 |
| **Source** | Audio-Events-Data |
| **Title** | Template for responses to the MPAI-CAE Call for Technologies |
| **Target** | Submitters to MPAI-CAE CfT |

# Abstract

This document is provided as a help to those who intend to submit responses to the MPAI-CAE Call for Technologies. Text in yellow (as in this sentence) provides guidance to submitters and should not be included in a submission. Text in green shall be mandatorily included in a submission. If a submission does not include the green text, the submission will be rejected.

If the submission is in multiple files, each file shall include the green statement.

Text in white is the text suggested to respondents for use in a submission.

# Introduction

This document is submitted by <organisation name> (if an MPAI Member) and/or by <organ­is­ation name>, a <company, university etc.> registered in ... (if a non-MPAI member) in response to the [MPAI-CAE Call for Technol­ogies](https://mpai.community/standards/mpai-cae/%22%20%5Cl%20%22Technologies) issued by Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) on 2021/02/17 as MPAI document N152.

In the opinion of the submitter, this document proposes technologies that satisfy the requirements of MPAI document [MPAI-CAE Use Cases & Functional Requirements](https://mpai.community/standards/mpai-cae/#UCFR) issued by MPAI on 2020/02/17 as MPAI document N151.

Possible additions

This document also contains comments on the requirements as requested by N151.

This document also contains proposed technologies that satisfy additional requirements as allowed by N151.

<Company and/or Member> explicitly agrees to the steps of the MPAI standards development process defined in Annex 1 to the [MPAI Statutes](https://mpai.community/about/statutes/) (N80), in particular <Company and or Member> declares that <Company and or Member> or its successors will make available the terms of the Licence related to its Essential Patents according to the [MPAI-CAE Framework Licence](https://mpai.community/standards/mpai-cae/#Licence) (N171), alone or jointly with other IPR holders after the approval of the MPAI-CAE Technical Specif­ication by the MPAI General Assembly and in no event after commercial implem­entations of the MPAI-CAE Technical Specification become available on the market.

< Company and/or Member> acknowledges the following points:

1. MPAI in not obligated, by virtue of this CfT, to select a particular technology or to select any technology if those submitted are found inadequate.
2. MPAI may decide to use the same technology for functionalities also requested in the MPAI-MMC Call for Technologies (N174) and associated Functional Requirements (N173).
3. A representative of <Company and/or Member> shall present this submission at a CAE-DC meeting communicated by MPAI Secretariat (mailto:secretariat@mpai.community). If no <Company and/or Member> will attend the meeting and present the submission, this sub­mission will be discarded.
4. <Company and/or Member> shall make available a working implementation, including source code – for use in the development of the MPAI-CAE Reference Software and eventual public­ation by MPAI as a normative standard – before the technology submitted is accepted for the MPAI-CAE standard.
5. The software submitted may be written in programming languages that can be compiled or interpreted and in hardware description languages, upon acceptance by MPAI for further eval­uation of their submission in whole or in part.
6. <Company> shall immediately join MPAI upon acceptance by MPAI for further evaluation of this submission in whole or in part.
7. If <Company> does not join MPAI, this submission shall be discarded.

# Information about the submission

This information corresponds to Annex A on N152. It is included here for submitter’s convenience.

1. Title of the proposal
2. Organisation: company name, position, e-mail of contact person
3. What are the main functionalities of your proposal?
4. Does your proposal provide or describe a formal specification and APIs?
5. Will you provide a demonstration to show how your proposal meets the evaluation criteria?

# Comments on/extensions to requirements (if any)

# Overview of Requirements supported by the submission

Please answer Y or N. Detail on the specific answers can be provided in the submission.

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| **Technologies by Use Cases** | **Response** |
| *Emotion-Enhanced Speech* |  |
| 4.2.4.1 | Digital Speech | Y/N |
| 4.2.4.2 | Emotion | Y/N |
| 4.2.4.3 | Emotion KB query format | Y/N |
| 4.2.4.4 | Emotion descriptors | Y/N |
| *Audio Recording Preservation* |  |
| 4.3.4.1 | Digital Audio | Y/N |
| 4.3.4.2 | Digital Video | Y/N |
| 4.3.4.3 | Digital Image | Y/N |
| 4.3.4.4 | Tape irregularity KB query format | Y/N |
| 4.3.4.5 | Text | Y/N |
| 4.3.4.6 | Packager | Y/N |
| *Enhanced Audioconference Experience* |  |
| 4.4.4.1 | Digital Speech | Y/N |
| 4.4.4.2 | Microphone geometry information | Y/N |
| 4.4.4.3 | Output device acoustic model metadata KB query format | Y/N |
| 4.4.4.4 | Delivery | Y/N |
| *Audio-on-the-go* |  |
| 4.5.4.1 | Digital Audio | Y/N |
| 4.5.4.2 | Microphone geometry information | Y/N |
| 4.5.4.3 | Sound array | Y/N |
| 4.5.4.4 | Sound categorisation KB query format | Y/N |
| 4.5.4.5 | Sounds categorisation | Y/N |
| 4.5.4.6 | User Hearing Profiles KB query format | Y/N |
| 4.5.4.7 | Delivery | Y/N |

# New Proposed requirements (if any)

|  |  |
| --- | --- |
|  | Y/N |
|  | Y/N |
|  | Y/N |

1. **Detailed description of submission**

## Proposal chapter #1

## Proposal chapter #2

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# Conclusions