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| D:\usr\campos\TSB-Reference\Logos\ITU\sigleITU.gif | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | | | JCA-AHF-437 |
|  |  | | | | **JCA-AHF** |
|  |  | | | | **Original: English** |
| **Question(s):** | | JCA-AHF | | Virtual Geneva, 2 September 2021 | |
| **DOCUMENT (Ref:** [**SG20-LS199**](https://www.itu.int/ifa/t/2017/ls/sg20/sp16-sg20-oLS-00199.docx)**)** | | | | | |
| **Source:** | | ITU-T Study Group 20 | | | |
| **Title:** | | LS on invitation to provide inputs to the roadmap of AI activities for natural disaster management [from SG20 to FG-AI4NDM] | | | |
| **Purpose:** | | Information | | | |
| **LIAISON STATEMENT** | | | | | |
| **For action to:** | | | FG AI4NDM | | |
| **For comment to:** | | | - | | |
| **For information to:** | | | JCA-AHF, ITU-R SG 5, ITU-R SG 7, EMTEL, ITU-D SG 2, ITU-D SG 1, JCA-IoT and SC&C, OGC, ISO TC 292, SG2, SG5, SG11, SG13, SG16, IEC SyC Smart Cities, FG-AI4H, FG-AI4EE, ETC | | |
| **Approval:** | | | **ITU-T Study Group 20 meeting (Virtual, 27 May 2021)** | | |
| **Deadline:** | | | 1 September 2021 | | |
| **Contact:** | | Nasser Saleh Al Marzouqi Chairman SG20 | | Tel: +97 6118 468 Fax: +97 6118 484 E-mail: [nasser.almarzouqi@tdra.gov.ae](mailto:nasser.almarzouqi@tdra.gov.ae) | |
| **Contact:** | | Gyu Myoung LEE KAIST  Korea (Rep. of) | | Tel: +82-42-866-6828 Fax: +82-42-866-6226 E-mail: [gmlee@kaist.ac.kr](mailto:gmlee@kaist.ac.kr) | |

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| **Keywords:** | Artificial Intelligence, Natural Disaster Management; Roadmap |
| **Abstract:** | This liaison statement replies to FG-AI4NDM on the invitation to provide inputs to the roadmap of AI activities for natural disaster management. |

This liaison answers [FG-AI4NDM-LS1](http://handle.itu.int/11.1002/ls/sp16-fg-ai4ndm-oLS-00001.docx).

ITU-T Study Group 20 would like to thank FG-AI4NDM for the information and opportunity to contribute to the roadmap of AI activities for natural disaster management.

ITU-T SG20 would like to provide the information of two relevant work items in the given form:

First work item:

|  |  |
| --- | --- |
| Category title | Explanation |
| Acronym | Y.smart-evacuation |
| SDO | ITU-T SG20 |
| Title | Framework of Smart Evacuation during emergencies in smart cities and communities |
| Description | This Recommendation introduces smart evacuation, which should facilitate effective and efficient solutions for people inside the disaster zone and for people who is approaching the disaster zone. This Recommendation describes concepts, features and technical characteristics of smart evacuation control in disaster and/or emergency situations. This Recommendation specifies high-level require-ments, functional reference model along with use cases. |
| Main disaster group | natural disasters |
| Disaster management phase | response |
| Relevant technologies | internet of things (IoT) |
| Status | Under study |
| Link | <https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=14102> |
| Contact | [Viliam Sarian](mailto:sarian%3CAT%3Eniir.ru), Editor  [Rodion Yakubovsky](mailto:ryakoubovsky%3CAT%3Egmail.com), Editor |

Second work item:

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| --- | --- |
| Category title | Explanation |
| Acronym | Y.RA-PHE |
| SDO | ITU-T SG20 |
| Title | Requirements and reference architecture of smart service for public health emergency |
| Description | This Recommendation identifies requirements and reference architecture of smart service for public health emergency and corresponding management. Via the smart service for public health emergency, the community and civil protection services can quickly respond to public health emergency, which helps preventing the spread of the epidemic and strengthen the local resilience. This new draft Recommendation identifies requirements of smart service for public health emergency and corresponding management and specifies a reference architecture of smart service for public health emergency. The scope of this draft new Recommendation includes: - Introduction of smart service for public health emergency and for public health emergency management; - Requirements of smart service for public health emergency and for its ICT implementations; - Reference architecture of smart service for public health emergency. |
| Main disaster group | public health emergency |
| Disaster management phase | response, or recovery |
| Relevant technologies | artificial intelligence (AI), internet of things (IoT) |
| Status | Under study |
| Link | <https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=16673> |
| Contact | [Yuwen Zhang](mailto:zhangyuwen%3CAT%3Ecaict.ac.cn), Editor  [Leonidas Anthopoulos](mailto:lanthopo%3CAT%3Eteilar.gr), Editor |

ITU-T SG20 looks forward to further collaboration on this matter. ITU-T SG20 would be pleased to be kept updated on the development on this roadmap.

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