



WG(s): Plenary E-meeting, 27-29 January 2021

DOCUMENT

Source: TSB

Title: Updated list of FG-AI4H deliverables (as of 2021-01-29)

Purpose: Admin

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Abstract: This document summarizes the current status of the planned deliverables for the ITU-T Focus Group on AI for health (FG-AI4H), based on the output list from the virtual meeting held 27-29 January 2021 and subsequently by the FG-AI4H management, based on feedback from editors. This summary is also available as DEL00S in the FG-AI4H Deliverables page, although it is not itself a deliverable. This document is based on K-005.

NOTE – Latest version of deliverables are stored in the FG-AI4H collaboration area at <https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/SitePages/Deliverables.aspx>. The page will be updated after each FG-AI4H meeting.

Table 1 – Updated list of deliverables (K-005 plus updates)

No.	Deliverable	Updated initial draft editor	Availability*
0	Overview of the FG-AI4H deliverables	Shan Xu (CAICT, China)	K-047
1	AI4H ethics considerations	Andreas Reis (WHO)	K-028 (K-028-A01)
2	AI4H regulatory best practices	Jackie Ma (Fraunhofer HHI, Germany), Khair ElZarrad & Rose Purcell (FDA, USA)	– (K-049)
2.1	Mapping of IMDRF essential principles to AI for health software	Luis Oala (Fraunhofer HHI, Germany), Pradeep Balachandran (Technical Consultant eHealth, India), Pat Baird (Philips, USA), Thomas Wiegand (Fraunhofer HHI, Germany)	G-038 , G-038-A01
2.2	Good practices for health applications of machine learning: Considerations for manufacturers and regulators	Pradeep Balachandran (India) and Christian Johner (Johner Institut, Germany)	K-039 & Nextcloud document
3	AI4H requirement specifications	Pradeep Balachandran (India)	K-040
4	AI software life cycle specification	Pat Baird (Philips, USA)	J-033 (K-034)

No.	Deliverable	Updated initial draft editor	Availability*
5	Data specification	Marc Lecoultre (MLlab.AI, Switzerland)	G-205
5.1	Data requirements	[Marc Lecoultre (MLlab.AI, Switzerland)]**	I-044
5.2	Data acquisition	Rajaraman (Giri) Subramanian (Calligo Tech, India), Vishnu Ram (India)	G-205-A02
5.3	Data annotation specification	Shan Xu (CAICT, China), Harpreet Singh (ICMR, India), Sebastian Bosse (Fraunhofer HHI, Germany)	K-048
5.4	Training and test data specification	Luis Oala (Fraunhofer HHI, Germany), Pradeep Balachandran (India)	I-034 (K-050)
5.5	Data handling	Marc Lecoultre (MLlab.AI, Switzerland)	DEL05
5.6	Data sharing practices	Ferath Kherif (CHUV, Switzerland), Banusri Velpandian (ICMR, India), WHO Data Team	J-054 (K-051)
6	AI training best practices specification	Xin Ming Sim and Stefan Winkler (AI Singapore)	K-037
7	AI for health evaluation considerations	Markus Wenzel (Fraunhofer HHI, Germany)	K-038
7.1	AI4H evaluation process description	Sheng Wu (WHO)	G-207-A01
7.2	AI technical test specification	Auss Abbood (Robert Koch Institute, Germany)	I-027
7.3	Data and artificial intelligence assessment methods (DAISAM) reference	Luis Oala (Fraunhofer HHI, Germany)	K-045
7.4	Clinical evaluation of AI for health	Naomi Lee (Lancet, UK), Eva Weicken (Fraunhofer HHI, Germany), Shubhanan Upadhyay (ADA Health, Germany)	K-041
8	AI4H scale-up and adoption	Sameer Pujari (WHO), Yu ZHAO and Javier Elkin [Previously: Robyn Whittaker (New Zealand)]	– (K-052)
9	AI4H applications and platforms	Manjeet Chalga (ICMR, India), Aveek De (CMS, India)	K-053-R01
9.1	Mobile applications	Khondaker Mamun (UIU, Bangladesh), Manjeet Chalga (ICMR, India)	I-048
9.2	Cloud-based AI applications	Khondaker Mamun (UIU, Bangladesh)	I-049
10	AI4H use cases: Topic description documents	Eva Weicken (Fraunhofer HHI, Germany)	K-004
10.1	Cardiovascular disease management (TG-Cardio)	Benjamin Muthambi (Watif Health, South Africa)	G-006 (general)
10.1 A	Cardiovascular disease management (TG-Cardio), Subtopic: Cardiovascular disease (CVD) <i>risk prediction using AI</i>	Benjamin Muthambi (Watif Health, South Africa)	K-006-A01 (risk prediction)
10.2	Dermatology (TG-Derma)	Weihong Huang (Xiangya Hospital Central South University, China) NOTE – Maria Vasconcelos (Fraunhofer, Portugal) resigned from the role.	K-007-A01
10.3	Diagnosis of bacterial infection and anti-microbial resistance (TG-Bacteria)	Nada Malou (MSF, France)	K-008-A01

No.	Deliverable	Updated initial draft editor	Availability*
10.4	Falls among the elderly (TG-Falls)	Pierpaolo Palumbo (University of Bologna, Italy); Inês Sousa (Fraunhofer Portugal)	K-012-A01
10.5	Histopathology (TG-Histo)	Frederick Klauschen (Charité Berlin, Germany)	K-013-A01
10.6	Malaria detection (TG-Malaria)	Rose Nakasi (Makerere University, Uganda)	K-014-A01
10.7	Maternal and child health (TG-MCH)	Raghu Dharmaraju (Wadhvani AI, India) and Alexandre Chiavegatto Filho (University of São Paulo, Brazil)	K-015-A01
10.8	Neurological disorders (TG-Neuro)	Marc Lecoultré (MLlab.AI, Switzerland)	K-016-A01
10.9	Ophthalmology (TG-Ophthalmology)	Arun Shroff (MedIndia)	K-017-A01
10.10	Outbreak detection (TG-Outbreaks)	Auss Abbood (Robert Koch Institute, Germany) and Stéphane Ghozzi (HZI, Germany)	K-018-A01
10.11	Psychiatry (TG-Psy)	Nicolas Langer (ETH Zurich, Switzerland)	K-019-A01
10.12	AI for radiology (TG-Radiology)	Darlington Ahiale Akogo (minoHealth AI Labs, Ghana)	K-023-A01
10.13	Snakebite and snake identification (TG-Snake)	Rafael Ruiz de Castaneda (UniGE, Switzerland)	K-020-A01
10.14	Symptom assessment (TG-Symptom)	Henry Hoffmann (Ada Health, Germany)	K-021-A01
10.15	Tuberculosis (TG-TB)	Manjula Singh (ICMR, India)	K-022-A01
10.16	Volumetric chest CT (TG-DiagnosticCT)	Kuan Chen (Infervision, China)	K-009-A01
10.17	Dental diagnostics and digital dentistry (TG-Dental)	Falk Schwendicke and Joachim Krois (Charité Berlin, Germany); Tarry Singh (deepkapha.ai, Netherlands)	K-010-A01
10.18	Falsified Medicine (TG-FakeMed)	Franck Verzeffé (TrueSpec-Africa, DRC)	K-011-A01
10.19	Primary and secondary diabetes prediction (TG-Diabetes)	Andrés Valdivieso (Anastasia.ai, Chile)	K-024-A01
10.20	AI for endoscopy (TG-Endoscopy)	Jianrong Wu (Tencent Healthcare, China)	K-025-A01
10.21	AI for Musculoskeletal medicine (TG-MSK)	Peter Grinbergs (EQL, UK) , Yura Perov (EQL, UK)	K-026-A01

NOTES

* The document numbers indicated reflect the status as of the end of the e-meeting J. Colour codes indicate deliverable drafting status (as of the issuance of this document) as "active" (green) and "unclear whether active" (blue). Some links provided are to slide sets; these slide sets are not meant to be the deliverable documents, but rather a status update concerning progress of the respective deliverable. Documents in parenthesis are status updates, not a deliverable text.

** Acting editor

Possible future Deliverables:

No.	Deliverable	Updated initial draft editor	Reference
–	Open Code Initiative reference software implementation	Marc Lecoultré (MLlab.AI, Switzerland)	K-043

No.	Deliverable	Updated initial draft editor	Reference
–	Guidance on digital technologies for COVID health emergency	Shan Xu (CAICT, China), Ana Riviere-Cinnamond (PAHO)	K-042
–	Risk management in AI for health	Pat Baird (Philips, USA)	K-034
