



Department of Telecommunications  
Telecommunication Engineering Centre  
Khurshid Lal Bhawan, Janpath, New Delhi -110001  
(Convergence & Broadcasting Division)



F.No. 4-3/2022-C&B/TEC/AI-Fairness

dated October 14, 2022

**OFFICE MEMORANDUM**

**Subject: Addendum-II to the OM dated 19.09.2022 r/w 28.09.2022 regarding constitution of a Working Group for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI systems: -Reg**

I am directed to request you to refer to this office OM of even number dated September 19, 2022 and September 28, 2022 on the above-cited subject wherein working group composition was conveyed to all the concerned.

2. The competent authority has approved the proposal of including Smt. Kavita Bhatia, Scientist 'F', Ministry of Electronics and IT (MeitY) as a member of the working group in the subject matter considering her experience in AI, IOT & Emerging Technology etc.
3. The revised composition of this Working Group is as per Annexure I.
4. All other instructions of the aforesaid OM dated 19.09.2022 r/w 28.09.2022 will remain same.
5. This issues with the approval of Senior DDG & Head, TEC.

*R. S. Desai*

(Rakesh Desai)

Director (C&B-II), TEC.

Tel No: +91-9426203403,

E-Mail: dircb2.tec-dot@gov.in

To:

All the members of the Working Group (As per Annexure-I).

Copy for information to:

1. Sr.DDG & Head, TEC
2. DDG (C&B), TEC

**Annexure I**

**Composition of 'Working Group'**

i	Dr. Diptikalyan Saha, PhD, Senior Technical Staff Member, IBM Research, India	Chairperson
ii	Dr Anand Mahalingam, Ph.D, Vice President - Data Labs - HDFC Life, Bangalore	Member
iii	Dr. Ganesh Ghalme (cc-ed), faculty member from the Department of AI, IIT Hyderabad	Member
iv	Dr. Vinosh Babu James, Technical Standards Director, Associate, M/s Qualcomm India.	Member
v	Mr K V Tirumala, ITS, Joint DGFT, Delhi	Member
vi	Mr Sanjay Madan, Joint Director, Applied Artificial Intelligence & Analytics Division, Centre for Development of Advanced Computing (C-DAC), Mohali.	Member
vii	Mr Sundar Narayanan, Researcher & Domain Expert	Member
viii	Mr Pinal Patel, Sr Research Manager, Raapid.ai.	Member
ix	Dr. Abhijnan Chakraborty, Assistant Professor, IIT Delhi	Member
x	Smt. Kavita Bhatia, Scientist 'F', MeitY, New Delhi	Member
xi	Mr Rakesh Desai, Director (C&B-II), TEC.	Convener

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F.No. 4-3/2022-C&B/TEC/AI-Fairness

dated September 28, 2022

**OFFICE MEMORANDUM**

**Subject: Addendum to the OM dated 19.09.2022 regarding constitution of a Working Group for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI systems: -Reg**

I am directed to request you to refer to this office OM of even number dated September 19, 2022 on the above-cited subject wherein working group composition was conveyed to all the concerned.

2. Dr. Abhijnan Chakraborty, Assistant Professor, IIT Delhi has shown his willingness to contribute as a member of the working group constituted for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI systems. Considering the profile of Dr. Abhijnan Chakraborty and his experience in the subject matter, he has been included as a member of the working group.
3. Further, due to administrative reasons, the undersigned has been nominated as a Convener of the working group.
4. The revised composition of this Working Group is as per Annexure I.
5. All other instructions of the aforesaid OM dated 19.09.2022 will remain same.
6. This issues with the approval of Senior DDG & Head, TEC.

*R. S. Desai*

(Rakesh Desai)

Director (C&B-II), TEC.

Tel No: +91-9426203403,

E-Mail: dircb2.tec-dot@gov.in

To:

All the members of the Working Group (As per Annexure-I).

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iii	Dr. Ganesh Ghalme (cc-ed), faculty member from the Department of AI, IIT Hyderabad	Member
iv	Dr. Vinosh Babu James, Technical Standards Director, Associate, M/s Qualcomm India.	Member
v	Mr K V Tirumala, ITS, Joint DGFT, Delhi	Member
vi	Mr Sanjay Madan, Joint Director, Applied Artificial Intelligence & Analytics Division, Centre for Development of Advanced Computing (C-DAC), Mohali.	Member
vii	Mr Sundar Narayanan, Researcher & Domain Expert	Member
viii	Mr Pinal Patel, Sr Research Manager, Raapid.ai.	Member
ix	Dr. Abhijnan Chakraborty, Assistant Professor, IIT Delhi	Member
ix	Mr Rakesh Desai, Director (C&B-II), TEC.	Convener

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F.No. 4-3/2022-C&B/TEC/AI-Fairness

dated September 19, 2022

**OFFICE MEMORANDUM**

**Subject: Constitution of a Working Group for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI systems: -Reg**

The increasing use of Artificial Intelligence (AI) and Machine Learning (ML) applications in all domains, and the effectiveness of AI/ML in public services delivery and e-governance by Government Organizations make it necessary for the AI systems to be fair and unbiased. Unintended biases in AI applications lead to various ethical, social, and legal issues. National Digital Communications Policy-2018 mandates for synergizing deployment and adoption of AI and emphasizes the need of leveraging Artificial Intelligence technology to enhance the overall quality of service, spectrum management, network security, and reliability.

2. To build public trust in AI/ ML Systems, Telecommunication Engineering Centre (TEC) has, therefore, proposed standardizing the process of evaluating AI systems for fairness, intending to facilitate independent assessment, certification, and rating of AI systems for fairness as per the standardized procedure. Accordingly, TEC floated a consultation on the subject on 22-02-2022 [1] and held a webinar on 22-03-2022. During the follow-up e-meeting with the stakeholders held on 01-09-2022, it was suggested that a Working Group (WG), comprising domain experts from industry, academia, research organizations, and Government, may be formed to provide technical inputs for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI Systems.

3. Accordingly, a Working Group is hereby constituted with the approval of the Competent Authority for preparing the initial draft of the proposed Standard for fairness assessment and rating of AI Systems. The composition of this Working Group is as per Annexure I.

4. The terms of reference of the Working Group are as follows:

- i. Scoping of the document – which type of AI/ ML systems, or which scenarios would be covered by the proposed Standard;
- ii. Framing Standard Operating Procedures (SOPs) for evaluating and rating AI systems for fairness;
- iii. Rating Metric for measuring fairness of different AI /ML Systems on a linear scale, such as the Fairness Score and Bias Index proposed in reference [2];
- iv. Reference [2] may serve as the initial baseline text for the draft document;
- v. To study comments/ change requests (if any) and re-draft the document as per requirements;

- vi. To work on suggestions/ revisions within the stipulated time in case of public feedback or observations from ministries/ states/ UTs;
  - vii. To ensure that the finalized guidelines are adaptable, fair, and easy to use;
  - viii. To submit the implementable report within the stipulated time; and
  - ix. To maintain secrecy regarding draft versions and the same to be strictly circulated only among the WG members, public distribution is to be strictly prohibited without the permission of TEC/ DOT.
5. The working group may complete this exercise within one (1) month from the date of its constitution.
  6. No remuneration would be paid to the Working Group members.
  7. This issues with the approval of Senior DDG & Head, TEC.

*R. S. Desai*

(Rakesh Desai)  
Director (C&B-II)  
Tel No: +91-9426203403,  
E-Mail: dircb2.tec-dot@gov.in

To:

All the members of the Working Group (As per Annexure-I).

Copy for information to:

5. Sr.DDG & Head, TEC
6. DDG (C&B), TEC

References:

- [1] TEC letter no. 4-3/2022-C&B/TEC/AI-Fairness dated 22-02-2022 inviting inputs for creating Framework for Fairness Assessment of Artificial Intelligence (AI)/ Machine Learning (ML) Systems #AIforAll  
[https://www.tec.gov.in/pdf/Whatsnew/Letter%20TEC%20AI%20Fairness%20Assesment%20seeking%20inputs%202022\\_02\\_22.pdf](https://www.tec.gov.in/pdf/Whatsnew/Letter%20TEC%20AI%20Fairness%20Assesment%20seeking%20inputs%202022_02_22.pdf)
- [2] Agarwal, A., Agarwal, H. & Agarwal, N. Fairness Score and process standardization: framework for fairness certification in artificial intelligence systems. AI Ethics (2022).  
<https://doi.org/10.1007/s43681-022-00147-7>

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vi	Mr Sanjay Madan, Joint Director, Applied Artificial Intelligence & Analytics Division, Centre for Development of Advanced Computing (C-DAC), Mohali.	Member
vii	Mr Sundar Narayanan, Researcher & Domain Expert	Member
viii	Mr Pinal Patel, Sr Research Manager, Raapid.ai.	Member
ix	Mr Aftab Alam, ADG (C&B), TEC.	Convener

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