**Summary of the Minutes of the Meeting, IoT WG Session, 12th March, 2013**

**Doc No: GISFI\_IoT\_201303378**

IoT chair Balamuralidhar (TCS) opened the session at 1800 hrs along with the vice chair Mini Vasudevan (Ericson). Chair summarized the IoT WG work plan. Agenda was presented by him followed by status of action items and conclusions from the previous meeting.

The Chair proposed to form a prototyping team associated within GISFI. This group will be responsible for implementing the standards/specifications from the IoT WG / other groups and determine further challenges related to practical realization of the proposed standards. Chair suggested to build the prototype team in collaboration with academia and gave few examples like IIIT Hyderabad, IIT Delhi, etc.

Niranth Amogh, Huawei liked this idea and suggested to have a deployment group loosely coupled with WGs.

Anand R. Prasad, NEC Corp supported the idea and mentioned that prototyping will reveal implementation details, and some aspects missed out in the specification.

Krishna Sirohi asked about the timing and responsibility for forming this prototype group. Chair proposed launching it from GISFI14th meeting.

Arvind Mathur from CISCO agreed on this idea, and asked clarification about the formation of prototyping group. Chair reiterated the importance of forming this group as follows:

The output from the prototyping team will add one more dimension of visibility apart from the documents

Krishna Sirohi said that IoT WG should keep the action item “Coordination of focus group and interim discussions towards formulation of an approach to Healthcare”open .

T.R. Dua suggested having a complete eco system considering the user requirement and he further asked whether TCS can take responsibilities for prototyping – Chair noted these points for consideration by TCS.

Soma (TCS) then presented a contribution on categorization of baseline requirements in the mandatory, desirable, and optional classes of light-weight IoT platform.

Vice chair Mini (Ericsson) asked about the categorization of requirements – mandatory, desirable, optional. She suggested categorizing only two classes mandatory and optional. Chair and Soma explained the idea behind the categorization of the requirement. NEC suggested to use the word network supporting internet protocol instead of Web enabled path in the application requirement.

Niranth (Huawei) gave the example from RFCs to have category of requirements as mandatory, recommended and optional.

Finally it is considered that the category will be mandatory, recommended and optional. TCS will do the suggested modifications and circulate the document by 2nd week of April.

Sivabalan (NEC) presented a proposal on modifications in the text of the baseline requirements document of light-weight IoT platform to add text in the I1b functionality supporting dynamic management and modifications made on smart city requirements. This will need discussion through emails. NEC will do the necessary changes as discussed in this regard and circulate the doc.

Niranth( Huawei) requested to explain more about the tuner and channel configuration manager. Control itself can happen at many levels such as hardware etc. Sensors could be having special features which are vendor specific. NEC also opined that communication to sensor needs standardization.

Soma (TCS) presented a contribution on lightweight communication protocol on IoT. The proposal is for UDP binding with reliability support having unicast and multicast requests. CoAP which is 7 to 10 times lighter than HTTP, considered as an example lightweight communication protocol.

The meeting concluded at 19:20 hrs.

The following conclusions are noted:

1. Actions on TCS to circulate the revised document for comments and approval

2. Changes suggested should appear in the Requirements document with reference to the proposal document.

3. Smart city use case document may be circulated

4. TCS to upload and circulate the document on lightweight communication protocol on IoT

5. Coordination of focus group and interim discussions towards formulation of an approach to Healthcare – Krishna Sirohi