ACTIVITY PROPOSAL

GROUP: **WAP IM DRAFTING COMMITTEE**

DATE: **6TH FEBRUARY 2002**

1. EXECUTIVE SUMMARY

- Creation of a drafting committee under WPG.

- The IM SIG group has identified the requirements for Immediate Messaging and Presence (IM).

- The IM SIG group framework document examines in detail existing solutions and established that none of these solutions match fully the requirements.

- IM drafting committee will address Immediate Messaging and Presence, specifically:
    - Architecture
    - Client-Server Protocol
    - Server-Server Protocol
    - Application Data Management

- This work will be conducted in a phased approach. It is envisioned that the first phase of this work will completed in less than 8 months and will utilize the pre-existing work of the IM SIG as a starting point.

2. CURRENT STATUS WITHIN WAP

The IM SIG group has produced its assessment of Immediate Messaging. The requirements and framework documents address immediate messaging and presence from a number of standpoints including:

- IM Use Cases and Requirements

- External IM Standards initiatives

- Possible Implementations of IM within the current WAP Framework

- The impact of IM in WAP

There is substantial interest in seeing IM and related applications work through WAP and the work in the IM SIG report followed from the MRD on WAP Immediate Messaging submitted to SRC and the WAP IM SIG activity proposal submitted to the Specification Committee in June 2001.

The WAP IM SIG has identified sufficient requirements and that there is no current open standard solution that addresses all the requirements. The purpose of this activity proposal is to address the identified requirements through the creation of the IM Drafting Committee.

3. SCOPE

The activity of the IM Drafting committee will cover the following areas:

1. Specify a solution to fulfill the requirements identified in the IM SIG Report. This focuses on four main areas:

    - IM Architecture

    - IM Client-Server Protocol

    - IM Server-Server Protocol

    - IM Application requirements

2. Choose the technology(s) that best fits these requirements. In specific the following areas will be addressed:

    - Pick existing technology(s) unmodified
    - Pick existing technology(s) and then modify/profile to fit
    - Define new technology(s), if none of the above fit.

3. Define data methodologies for management of application level data such as presence, contact lists and other IM related data.

A significant amount of research has already been compiled in these areas and candidate solutions have been put forward in the IM SIG Framework document.

4. CRITERIA FOR SUCCESS

This activity will be a successful if the drafting committee realizes its goals within the scope of approved activities in timely fashion, as determined by the parent group.

5. DURATION

This drafting committee will be closed when all its goals are accomplished.

6. SCHEDULE AND DELIVERABLES

The problem and scope to be addressed by the IM drafting committee is identified by the IM SIG report and in section 3 of this document. The proposed deliverables and schedule includes:

- Charter Approval by April 2002
- Architecture by August 2002
- Client-Server Protocol & Server-Server Protocol Specification by November 2002

7. RECOMMENDATION FOR CHAIR(S)

In order to preserve the continuity of discussion and working relationships it is proposed that the current chair of the IM SIG act as interim chair.

8. CO-ORDINATION WITH OTHER WAP ACTIVITIES

The IM Drafting Committee will coordinate the work between the following (non-exhaustive) list of WAP activity groups:

- **WPG**; Wireless Protocol Group ; as a parent group.

- **WAG-WAE**; Wireless Application Environment Group; IM must ensure that the Wireless Application Environment will support the work of IM in its use of WML, Security, Push etc.

- **WPG-Provisioning**; The IM framework must ensure that IM Clients can discover IM Servers

- **WAG-UAProf**; User Agent Profiling; The IM framework must ensure that the IM Servers can adequately discover the capabilities and preferences of IM Clients.

- **WAG-Push**; The IM framework may utilize the Push framework to stimulate IM or transfer IM content.

- **WSG**; Wireless security group.

9. IPR ISSUES

At this time, it is not know whether there are IPR implications in the various activities that may be unique to the IM. Such disclosures are expected to be made by the member delegates per normal reporting requirements of the WAP Forum.

10. REFERENCES

IM SIG Requirements document, available from WAP IM home page
IM SIG Framework document, available from WAP IM home page

11. OTHER BACKGROUND INFORMATION

There have been a variety of efforts in the areas being proposed for this Drafting Committee. It is expected that the Drafting Committee, once formed, will consider the existing work that has been done in these regards in support of its own efforts. For example, work in this area has occurred by the following:

3GPP www.3gpp.org.

3GPP2 www.3gpp2.org.

IETF Instant Messaging and Presence Protocol (IMPP) Working Group
http://www.ietf.org/html.charters/impp-charter.html/

IMUnified http://www.imunified.org/

Wireless Village http://www.wireless-village.org/

Other organizations which have been considered during the IM SIG work are listed in the IM SIG Framework document and may be considered as useful background material.