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| Project        | <b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >   |                    |
| Title          | <b>Proposed response to 3GPP TSG SA Liaison Statement L802.16-07/022</b>   |                    |
| Date Submitted | <b>2007-05-07</b>  |                    |
| Source(s)      | Roger B. Marks<br>NextWave Broadband, Inc.   | r.b.marks@ieee.org |
| Re:            | IEEE L802.16-07/022  |                    |
| Abstract       | This contribution proposes the text of a contribution from IEEE to 3GPP TSG SA. The contribution would respond to IEEE L802.16-07/022.   |                    |
| Purpose        | For consideration by the IEEE 802.16 Working Group as a proposed liaison statement.  |                    |
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# **Draft Response to Liaison Statement 3GPP TSG SA**

Roger Marks

NextWave Broadband, Inc.

This contribution proposes the draft text of a liaison statement from IEEE 802.16 to 3GPP TSG SA.  
This would respond to liaison statement IEEE L802.16-07/022  
<[http://wirelessman.org/liaison/docs/L80216-07\\_022.pdf](http://wirelessman.org/liaison/docs/L80216-07_022.pdf)>).

## IEEE 802.16 Working Group on Broadband Wireless Access

<http://WirelessMAN.org>

Roger B. Marks  
Chair, IEEE 802.16 Working Group  
r.b.marks@ieee.org  
10 May 2007

Gregory Schumacher, 3GPP TSG SA Liaison Contact

Dear Mr. Schumacher:

Thank you for your recent liaison statement SP-070249 (which we have numbered [IEEE L802.16-07/022](#)) on "Mobility interworking between 3GPP and WiMAX systems." The IEEE 802.16 Working Group appreciates this information and the interest of 3GPP TSG SA in the views of IEEE 802.16 regarding interworking scenarios with 3GPP systems.

In general, the 802.16 Working Group believes that interworking of IEEE 802.16 and 3GPP systems is of significant interest. The 802.16 WG supports the activities of the IEEE 802.21 Working Group in its development of a media-independent handover standard and believes a media-independent approach is the best route to successful interworking. Therefore, we are forwarding your statement to the 802.21 Working Group with the suggestion that it may wish to provide further information to you.

With regard to your specific questions:

- 1) We believe that interworking with all 3GPP radio access systems is important.
- 2) We believe that interworking is important for the current 802.16 standard (including the amendment IEEE 802.16e-2005) as well as for future generations of the standard (including that to be specified in the ongoing 802.16m project).
- 3) Handover in both directions is important.
- 4) We have not established a particular time requirement for interworking specifications but look to the P802.21 for direction.
- 5) Regarding the optimal nature of the coupling, we refer you to the 802.21 Working Group.
- 6) We would help to minimize handover time to address real-time applications. We have not set targets.

Please inform us, and the 802.21 Working Group, of your deliberations and progress on this issue.

Sincerely,

Roger B. Marks  
Chair, IEEE 802.16 Working Group on Broadband Wireless Access

cc: Vivek Gupta, Chair, IEEE 802.21 Working Group  
Ron Resnick, President, WiMAX Forum