| Project | **IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>** |
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| Title | **Proposal for Layer Separation** |
| Date Submitted | **2000-1-17** |
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| Re: | IEEE 802.16 Task Group 3 Call For Contributions:Proposed MAC Enhancements,Key Characteristics,and Evaluation Criteria:Session #11 ,802.16.4-00/25. |
| Abstract | The following changes are proposed in this contribution:<br>  -   Proposed to remove the layer 3 requirement for the initial registration |
| Purpose | The document is submitted as a part of development of 802.16.3 MAC given TG1 MAC as a baseline |
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# Proposal for Layer Separation for 802.16.3 Application

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The 802.16.1 Specification binds together a specific Layer 2 and Layer 3. According to the specification, it is not possible to register an SS without an IP stack, running DHCP to get an IP address and to do TOD and TFTP. Ideally the SS should not implement the Internet Protocol if the SS only supports ATM.

The proposal is to separate the IP requirements from the processes occurring before the registration and add new appendices for different protocols (IP, ATM etc) that would show how certain functionality (e.g. management) would be handled using a specific protocol.