Project	**IEEE 802.16 Broadband Wireless Access Working Group** <http://ieee802.org/16>
Title	**Known Bug List for IEEE 802.16 Operator ID web pages**
Date Submitted	**2007-07-18**
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Re:	IEEE 802.16 Operator ID
Abstract	The Operator ID Web Pages are implemented and functioning, but contain some bugs. This contribution contains the known list of bugs.
Purpose	Review and agree the bug list. Forward to WG & RAC.
Notice	*This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups*. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.
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Patent Policy	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: <http://standards.ieee.org/guides/bylaws/sect6-7.html#6> and <http://standards.ieee.org/guides/opman/sect6.html#6.3>. Further information is located at <http://standards.ieee.org/board/pat/pat-material.html> and <http://standards.ieee.org/board/pat>.

Known Bug List for IEEE 802.16 Operator ID web pages
Scott Probasco
Nokia

Status	URL	Page	Issue	Comments
Closed	https://standards.ieee.org/regauth/BO	IEEE 802.16 Operator ID (OpID) Registration	Paragraph beginning "If there are any questions…": "receipt" was mis-spelled as "reciept".	
Open	https://standards.ieee.org/regauth/BO	IEEE 802.16 Operator ID (OpID) Registration	We would prefer that the words "public" and "publicly" not be used with regard to the 802.16 Operator ID, due to possible confusion with the use of that word in the tutorial: One instance of "publicly" and 3 instances of "public" to be deleted.	The instance of "publicly" has been deleted. All 3 instances of "public" still remain.
Open	https://standards.ieee.org/regauth/BO	IEEE 802.16 Operator ID (OpID) Registration	Current text reads "Please note that applications expire after 30 days." We weren't sure what would trigger the expiration. We would like to see this clarified on the web page.	
Closed	https://standards.ieee.org/regauth/BO	IEEE 802.16 Operator ID (OpID) Registration	The hyperlink associated with "Frequently Asked Questions" points to http://standards.ieee.org/regauth/faqs.html but should point to http://standards.ieee.org/regauth/faqs.html#q47.	It points to the top of the FAQ page, it should point to the OpID-specific section.
Closed	https://standards.ieee.org/regauth/BO	IEEE 802.16 Operator ID (OpID) Registration	The bullet item "IEEE 802.16 Operator ID Public Listing" should be hyperlinked to a listing page.	Note also that "Public" should be removed from the hyper link and also the title of the Operator ID Listing page.

Open	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "Do I have to apply for an Operator ID to deploy an IEEE 802.16 network?"
			Title should be changed to "Is an IEEE-assigned Operator ID required in order to deploy an IEEE 802.16 network?"
Open	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "Do I have to apply for an Operator ID to deploy an IEEE 802.16 network?"
			Text should read as follows - "No. Typical commercial systems providing public service require a globally unique OpID. This can be obtained from the IEEE Registration Authority. Alternately, a globally unique OpID can be derived from an operator's E.212 MCC-MNC assignment <insert hyperlink to tutorial>. For networks providing service to a limited group of users where a globally unique OpID is not required by the operator, the OpID may be selected from the Public OpID pool. In this deployment scenario, the OpID may be selected from the pool to avoid having different networks in the same geographical area using the same OpID or so that a single operator can operate base stations with a single public OpID."

Open	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "Can I use my OUI as an IEEE 802.16 Operator ID, or vice versa?" Text should read as follows - "No. These are separate identifiers. They must be obtained separately and are not interchangeable."	
Open	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "What is a Base Station ID" Text should read as follows - "The Base Station ID is a 48-bit number defined by IEEE Std 802.16 to be broadcast by each base station. The OpID defines the most significant 24 bits of the Base Station ID. An 802.16 network consists of one or more base stations operating as a coordinated system, with each base station in the coordinated network broadcasting the same OpID. By programming unique values in the least significant 24 bits of the Base Station ID for each base station, the Base Station ID then uniquely identifies each and every base station in the coordinated 802.16 network."	remove the '-' between '24' and 'bits', two places.

Closed	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "How can I obtain the names and ID numbers of those companies who own an IEEE 802.16 Operator ID?" The response includes the phrase: <insert hyperlink to public listing> That should be replace by a link to the listing page	
Open	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "What if the company name, address or contact information changes after I have received the IEEE 802.16 Operator ID?" Text should read as follows - "Please complete the Information Change Form <insert hyperlink to change page>. If there is a company name change due to purchase or sale, please also fax a press release or some details of the company name change to +1 732-562-1571. The company name change will not be uploaded to the public listing unless the press release or details are received."	missing comma after "sale"

Closed	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "How can I obtain an assignment of an IEEE 802.16 Operator ID?" Text should read as follows - "Check the public listings <insert hyperlink to public listing> to determine whether your company already has an assignment. If not, then complete the OpID application here <insert hyperlink to application>. Once the application is completed successfully, the Requestor will receive an e-mail with a tracking number and payment information. The application will be processed within seven days after receipt of payment as long as there are no problems with the information on the application or the payment. The Requestor will receive an e-mail with the assignment information once the application is processed."	missing space after "listings"
Closed	http://standards.ieee.org/regauth/faqs	IEEE 802.16 Operator ID (OpID) FAQ	Section for "How can I obtain an assignment of an IEEE 802.16 Operator ID?" The response includes the phrase: <insert hyperlink to public listing> That should be replace by a link to the listing page	

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "What are the costs involved in obtaining an IEEE 802.16 Operator ID?

Title should read "…obtaining an IEEE …" ('and' should be 'an')

Text should read as follows - "The OpID cost is $1,200.00 (US) each. In addition, a bank fee is applicable with the wire transfer payment method. There are no annual fees." |

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "My company needs multiple IEEE 802.16 Operator IDs for multiple networks. Can we receive them?" | "additional" should be "further" |

Title should read "...802.16 Operator IDs for multiple..." (remove the space between 'ID' and 's')

Text should read as follows - "Yes. The IEEE Registration Authority will accept application for an allocation of up to 100 OpIDs. If further OpIDs are needed, you may complete an additional application. However, users of 802.16 OpIDs are encouraged to make most efficient use of this limited numbering resource. In typical deployment scenarios, the network operator will need only a single OpID, keeping in mind that a single OpID will support over 16 million Base Station IDs."

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "If my organization already has an E.212 MCC-MNC allocation, are we compelled to use it as the Operator ID with our 802.16 network? Are we disallowed from applying for an 802.16-specific OpID from the IEEE Registration Authority?"

Text should read as follows - "No, the formula for conversion <insert link to tutorial> of an E.212 MCC-MNC pair to an 802.16 OpID is only provided for those organizations that wish to use their E.212 network ID with 802.16, or may be required by regulation to do so. Organizations should check with their regulatory authorities as to whether they are required to use their current E.212 MCC-MNC pair to identify their networks using 802.16 standards. Any organization may obtain 802.16-specific OpID(s) from the IEEE Registration Authority, subject to the general terms & conditions covering application." |

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "Are all of the OpIDs globally unique?"

Text should read as follows - "An OpID allocated by the IEEE Registration Authority is assigned to a single applicant. The assignee is guaranteed that the same number is not assigned to any other entity. Furthermore, the set of OpIDs that are assigned is disjoint from the set of OpIDs that may be derived from an E.212 MCC-MNC. The IEEE Registration Authority does not guarantee the MCC-MNC pair is unique. However, if all operators respect the rules for generating OpIDs and make use of unique MCC-MNC pairs, the OpID will be unique, since an OpID cannot be derived from two different E.212 MCC-MNC assignments. Any OpID selected from the Public OpID Pool is not guaranteed to be unique, as two operators may coincidently choose the same OpID. An operator choosing an OpID from the public pool must assess the consequences of another operator choosing the same OpID. For operators of a home or small enterprise network, the consequences may be insignificant, and choosing an operator ID from the public pool is a viable option." |

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "If we do not apply for our own OpID to program into our base stations, will they all have the same "default" operator ID?" |

Title should read as above - "(e.g. "0" or similar)" shall be stricken.

Text should read as follows - "The 802.16 standard requires the use of the OpID, as specified by the IEEE Registration Authority. Failure to populate a BS with an appropriate OpID will result in non-standard deployment and non-standard results. The value of the OpID field in new equipment is manufacturer-specific and should be verified by the operator."

| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "When may a Private OpID be used?"

Title should read - "When may I make use of the Public OpID Pool?"

Text should read as follows - "A network OpID may be selected from the available Public OpID Pool as specified by the IEEE-SA Registration Authority <insert link to tutorial> . Although such an OpID is not guaranteed to be globally unique, it will not cause mis-operation of any 802.16 SS/MS within its coverage or interference zones. Base stations in networks offering public service must use a globally unique OpID. Operators of base stations or networks using the Public OpID Pool should utilize appropriate access security techniques." |
| Open | http://standards.ieee.org/regauth/faqs | IEEE 802.16 Operator ID (OpID) FAQ | Section for "What is the probability of duplication of a private network ID?"

Remove the extra line spaces between
* There is a 99% probability of duplication within a selection of 476 numbers
and
From this

Add comma after "From this" |

Open	https://standards.ieee.org/regauth/BO	Use of the IEEE 802.16 Operator ID with IEEE Std 802.16 Wireless Metropolitan Area Networks	Under Base Station ID, the table showing "first bit transmitted/ last bit transmitted" has vanished. To see what this should look like, click here: D10 The html on that page can be pasted right into the tutorial.
Closed	https://standards.ieee.org/regauth/BO	Use of the IEEE 802.16 Operator ID with IEEE Std 802.16 Wireless Metropolitan Area Networks	The tutorial includes the phrase: <insert hyperlink to application form> that should be replaced by a clickable link to the IEEE 802.16 Operator ID (OpID) Registration page.
Open	https://standards.ieee.org/regauth/BO	Use of the IEEE 802.16 Operator ID with IEEE Std 802.16 Wireless Metropolitan Area Networks	Under "Public OpID pool", the note in the "Notes" column should extend downward to cover the "Reserved" row as well as the two rows it covers now.
Closed	https://standards.ieee.org/regauth/BO	Use of the IEEE 802.16 Operator ID with IEEE Std 802.16 Wireless Metropolitan Area Networks	In the Table in the Annex, the first note says "(224-1)"; the "24" needs to be superscripted.
Open	https://standards.ieee.org/regauth/BO	Use of the IEEE 802.16 Operator ID with IEEE Std 802.16 Wireless Metropolitan Area Networks	The reference at the end includes a URL; this should be hyperlinked (clickable): <http://www.itu.int/ITUT/inr/forms/mnc.html>
Open	https://standards.ieee.org/regauth/BO	Wire Transfer Instruction Sheet for Purchase of an IEEE 802.16 Operator ID (OpID)	This page includes two separate instances in which "OUI" is used instead of "OpID".

Open	http://standards.ieee.org/regauth/reso	IEEE Registration Authority - Resources	page includes a link to the Wire Transfer Instructions page: <http://standards.ieee.org/regauth/oui/wiretrans.html> However, that page is specific to OUI. Perhaps that link on the Resources page should should be deleted, since it applies to only a single registry. Or perhaps additional links, to other wire transfer instructions, should be added.
Closed	http://standards.ieee.org/regauth/publ	IEEE Registration Authority - Public Listings	This page has no link for OpID
Open	http://standards.ieee.org/regauth/regis	IEEE Registration Authority - Registries	The link under "IEEE 802.16 Operator ID" labeled "Frequently Asked Questions" points to: <http://standards.ieee.org/regauth/faqs.html> but it should instead point to: <http://standards.ieee.org/regauth/faqs.html#q47>
Open	Email Acknowledgements	acknowledgment from "ieee-registration-authority@ieee.org"	The subject line of the email was "OUI-36 Assignment Information". It should have been "IEEE 802.16 OpID Assignment Information"

Open	Email Acknowledgements	invoice from "ieee-registration-authority@ieee.org"	The letter says:
			  Re: IEEE Assignment of Operator ID Addresses (802.16)
			  Vendor Address Registration
			It should say:
			  Re: IEEE Assignment of IEEE 802.16 Operator ID

Open	Miscellaneous	URL to the "IEEE 802.16 Operator ID Application" and "IEEE 802.16 Operator ID Tutorial"	The URL includes the word "Broadband". This makes for a long URL that is harder to send successfully in email.