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<table>
<thead>
<tr>
<th><strong>Name of declarant</strong></th>
<th>Comtech EF Data Corporation</th>
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| **Declarant contact information** | Representative of Declarant: Louis Dubin  
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Email address of representative: ldubin@comtechefdata.com |
| **DVB work item to which this declaration relates** | TM-S20108 Carrier ID  
Please specify the specific TM document to which this declaration relates (if known). |
| **Is this an update?** | This is the original declaration. |
| **Patents containing claims potentially essential to this work item** | (Use attachments if needed) |
| **Published patent applications containing claims potentially essential to this work item** | US Patent Applications: 13024402, 13044446, 13218849, 13218849, 13219221, 13445203  
| **Further information** | (Provide link to relevant website). |

[COMTECH EF DATA CORPORATION]

Louis J. Dubin  
February 20, 2013

Name of authorized representative:  
Title: Vice President Product Management

Once completed on this form, declarations should be submitted to eltzroth@dvb.org. Questions on the Facility for Voluntary Disclosure of Patents can be addressed to the Legal Director DVB, eltzroth@dvb.org.