|  |
| --- |
| Chapter 7.6.8 Mapping to IEEE 802 technologies |
| Date: 2017-03-08 |
| **Authors:**  |
| Name  | Affiliation  | Phone  | Email  |
| Max Riegel | Nokia Bell Labs |  | maximilian.riegel@nokia.com |
|  |  |  |  |
|  |  |  |  |
| **Notice:**This document does not represent the agreed view of the OmniRAN TG It represents only the views of the participants listed in the ‘Authors:’ field above. It is offered as a basis for discussion. It is not binding on the contributor, who reserve the right to add, amend or withdraw material contained herein.  |
| **Copyright policy:**The contributor is familiar with the IEEE-SA Copyright Policy <<http://standards.ieee.org/IPR/copyrightpolicy.html>>.  |
| **Patent policy:** The contributor is familiar with the IEEE-SA Patent Policy and Procedures:<[http://standards.ieee.org/guides/bylaws/sect6-7.html#6](http://standards.ieee.org/guides/bylaws/sect6-7.html)> and <[http://standards.ieee.org/guides/opman/sect6.html#6.3](http://standards.ieee.org/guides/opman/sect6.html)>. |

Abstract

This document proposes content for the chapter 7.6.8 Mapping to IEEE 802 technologies.

### 7.6.8 Mapping to IEEE 802 technologies

While the generic QoS policy control architecture is applicable to all the IEEE 802 access technologies, differences exist in the capabilities of the access technologies in supporting various QoS models and parameters. In the introduction to this chapter, main differences between IEEE 802 technologies were already mentioned. This section provides more details about the capabilities of the IEEE 802 technologies to support the concepts presented above.

All IEEE 802 technologies support the divserv QoS model, some of the technologies also an intserv QoS model with strict reservation of resources for particular service streams.

The following table provides references to the QoS related sections of the IEEE 802 technologies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IEEE 802.3 | IEEE 802.11 | IEEE 802.16 | IEEE 802.22 |
| QoS - diffserv | IEEE 802.1QClause 36 (PFC) | Clause 10.2.4(EDCA) | Clause 6.3.5(n/rtPS, BE) | Clause 7.10(n/rtPS, BE) |
| QoS - intserv | IEEE 802.1QClause 35 (SRP) | Clause 10.2.4.(HCCA) | Clause 6.3.5(UGS) | Clause 7.10(UGS) |
| QoS parameters | IEEE 802.1QClause 6.5 | Clause 9.4.2.30 | Clause 11.13 | Clause 7.7.8.9 |
| Traffic stream | IEEE 802.1QClause 8.6.6-8Clause 35.2.2.8.4 | Clause 11.4Annex K | Clause 6.3.6 | Clause 7.11 |
| QoS mgmt | IEEE 802.1QClause 35.2.3Clause 36.1.2 | Clause 9.6.3 | Clause 6.3.14 | Clause 7.18 |