|  |
| --- |
| Chapter 8 intro amendment proposal |
| Date: 2017-09-25 |
| **Authors:**  |
| Name  | Affiliation  | Phone  | Email  |
| Max Riegel | Nokia |  | 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 text to address the 802.1CF-Draft 0.6 issue:

* Provide a short introduction to the restructured chapter 8

# Network softwarization functions

This chapter provides additional information on the implementation and operation of IEEE 802 access network realized through software. In general, the term softwarization denotes the use of a software solution instead of traditional hardware to solve a problem. Network softwarization is an approach for designing, implementing, deploying, managing and maintaining network infrastructures through realization in software and exploiting the benefits of software such as flexibility and rapidity throughout the whole lifecycle of networks. Compared to realization in dedicated hardware network softwarization promises fast re-design of network and services architectures, optimizing costs and processes, enabling self-management, and facilitating added values in network infrastructures.

Cloud computing, software-defined networks (SDNs), and network function virtualization (NFV) are all part of network softwarization. In addition to comprehensive information models of IEEE 802 access network in the following subchapter, both from a structural as well as from an operational perspective, this chapter contains a functional description of the instantiation as well of virtualized IEEE 802 access network, further a description of the use of SDN, and an introductions into NFV for realization of IEEE 802 access network.

## Information model of IEEE 802 access network