24. The method of claim 22, further comprising instantiating or terminating a virtual and service-specific serving gateway (SGW) in response to receiving service requirement data for a machine-to-machine (M2M) service.

25. The method of claim 22, further comprising associating a virtual user equipment (UE) specific serving gateway (SGW) in response to receiving service requirement data for a registered UE.

26. The method of claim 22, further comprising creating a virtual user connectivity manager for a user equipment (UE) in response to receiving service requirement data for the UE.

27. A network node, comprising:

a processor; and

a non-transitory computer readable storage medium storing programming for execution by the processor, the programming including instructions to:

receive, a service-oriented virtual network auto-creation (SONAC) module, service requirement data representing one or more service requirements; and

create a service customized virtual network (VN) according to the service requirement data, wherein the instructions to create the service customized VN comprises instructions to: determine a service-customized logical topology, map the determined logical topology to physical network resources, and determine an end-to-end data transport protocol for use by entities in the logical topology in accordance with the availability of the physical network resources.