DOCUMENTATION

1. --

2. -- Uwe R. Zimmer, Australia, September 2016

3. --

4.

5. with Topologies To API docTo specTo body; use Topologies To API docTo specTo body;

6.

7. package Routers_Configuration_Structures To API docTo body is

8.

9.   type Preconfigured_Topologies is (Line, Ring, Star, Fully_Connected, Tree, Mesh, Torus, Hypercube, Cube_Connected_Cycles, Butterfly, Wrap_Around_

10.

11.   type Test_Modes is (One_To_All, Al

12.

13.   type Command_Line_Options is record

14.   Selected_Topology   : Preconfigured_Topologies To API docTo spec := Cube_Connected_Cycles;

15.   Size   : Positive   := 20;

16.   Degree   : Positive   := 3;

17.   Depths   : Positive   := 4;

18.   Dimension   : Positive   := 3;

19.   Print_Connections   : Boolean   := True;

20.   Print_Distances   : Boolean   := True;

21.   Routers_Settle_Time : Duration   := 0.1;

22.   Comms_Timeout   : Duration   := 0.1;

23.   Test_Mode   : Test_Modes To API docTo spec   := One_To_All;

24.   Dropouts   : Natural   := 0;

```
25.   end record;

26.

27.   function Get_TopologyTo API docTo body (Command_Line_ParametersTo API docTo
   body : Command_Line_OptionsTo API docTo spec) return Topology_KindTo API docTo
   spec&apos;Class;

28.

29.end Routers_Configuration_StructuresTo API docTo specTo body;
```