DOCUMENTATION

1. --

2. -- Framework: Uwe R. Zimmer, Australia, 2015

3. --

4.

5. with Generic_Message_StructuresTo API docTo spec;

6. with Generic_Router_LinksTo API docTo specTo body;

7. with Id_DispenserTo API docTo specTo body;

8.

9. generic

10.

11.   with pac   sage_Structures   To API
    docTo spec (

12.

13. package Generic_RouterTo API docTo bo

14.

15.   use Message_StructuresTo API docTo spec;

16.   use Routers_ConfigurationTo API docTo spec;

17.

18.   package Router_Id_Generator is new Id_DispenserTo API docTo specTo body
    (ElementTo API docTo spec => Router_RangeTo API docTo spec);

19.   use Router_Id_GeneratorTo API docTo spec;

20.

21.   type Router_Task;

22.   type Router_Task_P is access all Router_TaskTo API docTo spec;

23.

24.   package Router_Link is new Generic_Router_LinksTo API docTo specTo body
    (Router_RangeTo API docTo spec, Router_Task_PTo API docTo spec, null);

25.   use Router_LinkTo API docTo spec;

```ada
26.

27.    task type Router_Task (Task_Id  : Router_Range := Draw_Id) is

28.

29.       entry Configure (Links : Ids_To_Links);

30.

31.       entry Send_Message    (Message :     Messages_Client);

32.       entry Receive_Message (Message : out Messages_Mailbox);

33.

34.       entry Shutdown;

35.

36.       -- Leave anything above this line as it will be used by the testing framework

37.       -- to communicate with your router.

38.

39.       -- A                                         here

40.

41.    end Router_Task;

42.

43. end Generic_Router;
```