package NXT.Bluetooth is
    type BT_Address is array (0 .. 6) of Unsigned_8;
    type Friendly_Name is array (0 .. 15) of Unsigned_8;
    type Class_Service is array (0 .. 3) of Unsigned_8;
    type Pin_Code is array (0 .. 15) of Unsigned_8;
    type Device is
        record
            Addr : BT_Address;
            Name : Friendly_Name;
            Class : Class_Service;
        end record;
    type Device_List is array (Natural range <> ) of Device;

    -- Note: all procedures are blocking (ie they use delay).
    procedure Initialize;
    -- Must be done before any other operation.
    procedure Convert_To_Friendly_Name
       (Input : String;
        Name : out Friendly_Name);
procedure Set_Friendly_Name (Name : Friendly_Name);

procedure Get_Known_Peers (Peers : out Device_List; Length : out Natural);

procedure Find_Discoverable_Devices
  (Timeout_Sec : Natural;
   Discovered : out Device_List;
   Length : out Natural);

procedure Set_Discoverable (On : Boolean);

procedure Add_Known_Device (Dev : Device; Success : out Boolean);

-- Add a device to the known peer list.

procedure Accept_Connection
  (Pin : Pin_Code;
   Addr : out BT_Address;
   Success : out Boolean);

procedure Connect (Target : BT_Address; Success : out Boolean);

-- a generic communication package for application-specific messages
generic
  type Message <> is limited private;
package IO is
  procedure Send (This : access Message);
  procedure Receive (This : access Message);
end IO;

end NXT.Bluetooth;