* **BootLoader** 
  + Linker script
    - Marker Section (4 bytes) -note: to consider Marker section in RAM
  + Memory Map ->ROM section (8 Kbytes)
  + Default Case Code Sequence
    - Set commands:

SF: 0x41 (A) for Anis

EOF: 0x4d (M) for May

Frame Length: 8 bytes (Fixed)

Data Length : 5 bytes (Fixed)

**Commands:**

Erase Command ID: 0x45(E) for Esraa

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SF | ID | Sections Num | Sections Num | Sections Offset | Sections Offset | Check Sum | EOF |

Response ID: 0x52(R) for Ramdan

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SF | ID | response |  |  |  |  | EOF |

Data Frame ID: 0x44(D) for Donia

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SF | ID | Data | Data | Data | Data | Data | EOF |

Verify ID: 0x46(F) for Fatima

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SF | ID | Res | Checksome | Checksome | Checksome | Checksome | EOF |

* + Update Offset Table