RAP Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| N | Pass | Node Name | Type | Opt. | Size (bits) |
| 0 | RAP | RAP | c |  |  |
| 1 | RAP\header | RAP Header | c |  |  |
| 2 | RAP\code | URA Code Section | c |  |  |
| 3 | RAP\security | Security Section | c |  |  |
| 4 | RAP\manufacturer | Manufacturer Infor Section | c | o |  |
| 5 | RAP\initial\_profile | Initial Profile | c | o |  |
| 6 | RAP\reserve | Reserve | d | o | 16 |
| 7 | RAP\header\descriptor | RAP Descriptor | s |  | 128 |
| 8 | RAP\header\structure | RAP Structure Descriptor | s |  | 8 |
| 9 | RAP\header\RadioLib | Radio Lib Descriptor | s |  | 56 |
| 10 | RAP\header\TargetPlatform | Target Platform Descriptor | s |  | 16 |
| 11 | RAP\header\reserve | RAP Header Reserve | d | o | 8 |
| 12 | RAP\code\URACodeList | URA Code List | l |  |  |
| 13 | RAP\security\profile | Security Profile | d |  | 8 |
| 14 | RAP\security\integrity | Integrity Protection | d |  | 8 |
| 15 | RAP\security\origin | Proof of Origin | d |  | 8 |
| 16 | RAP\security\reserve | Security Reserve | d | o | 8 |
| 17 | RAP\manufacturer\InstallatorType | Installator Type | s |  | 8 |
| 18 | RAP\manufacturer\InstallatorCode | Installator Code | d |  | 64 |
| 19 | RAP\manufacturer\parameters | Installation Parameters | d |  | 16 |
| 20 | RAP\manufacturer\reserve | Manufacturer Info Reserve | d | o | 16 |
| 21 | RAP\initial\_profile\URAList | URA Initial Profile List | l |  |  |
| 22 |  |  |  |  |  |
| 23 | RAP\header\descriptor\id | RAP ID | s |  | 64 |
| 24 | RAP\header\descriptor\version | RAP Version | s |  | 32 |
| 25 | RAP\header\descriptor\date | RAP Date | s |  | 24 |
| 26 | RAP\header\descriptor\producer | RAP Producer ID | s |  | 8 |
| 27 | RAP\header\structure\ManufacturerFlag | Manufacturer Info Flag | s |  | 1 |
| 28 | RAP\header\structure\InitialProfileFlag | Initial Profile Flag | s |  | 1 |
| 29 | RAP\header\structure\RAPReserveFlag | RAP Reserve Flag | s |  | 1 |
| 30 | RAP\header\structure\HeaderReservFlag | RAP Header Reserve Flag | s |  | 1 |
| 31 | RAP\header\structure\ManufacturerReserve | Manufacturer Info Reserve Flag | s |  | 1 |
| 32 | RAP\header\structure\SecurityReserve | Security Reserve Flag | s |  | 1 |
| 33 | RAP\header\structure\ReserveFlags | Reserve Flags | s |  | 2 |
| 34 | RAP\header\RadioLib\Version | Radio Lib Version | s |  | 32 |
| 35 | RAP\header\RadioLib\Date | Radio Lib Date | s |  | 24 |
| 36 | RAP\header\TargetPlatform\ID | Target Platform ID | s |  | 8 |
| 37 | RAP\header\TargetPlatform\ReconfigurationCode | MDRC/RERC | s |  | 8 |
| 38 | RAP\code\URACodeList\URACode[1] | URA[1] Subsection | c |  |  |
| 39 | RAP\code\URACodeList\URACode[1]\URADescriptor | URA Descriptor | s |  | 128 |
| 40 | RAP\code\URACodeList\URACode[1]\URAComponentList | URA Component List | l |  |  |
| 41 | RAP\code\ URACodeList\URACode[1]\ URADescriptor\ID | URA ID | s |  | 64 |
| 42 | RAP\code\ URACodeList\URACode[1]\ URADescriptor\Version | URA Version | s |  | 32 |
| 43 | RAP\code\ URACodeList\URACode[1]\ URADescriptor\Date | URA Date | s |  | 24 |
| 44 | RAP\code\ URACodeList\URACode[1]\ URADescriptor\producer | URA Producer ID | s |  | 8 |
| 45 | RAP\code\URACodeList\ URACode[1]\ URAComponentList \URAComponent[1] | URA Component 1 | c |  |  |
| 46 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header | URA Component Header | c |  |  |
| 47 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  code | URA Component Code | d |  | 64 |
| 48 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ID | URA Component ID | s |  | 64 |
| 49 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \CodeType | URA Component Code Type | s |  | 8 |
| 50 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor | URA Component Descriptor | c |  |  |
| 51 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \HWComponentID | HW Component ID | s |  | 8 |
| 52 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\Language | URA Component Language Descriptor | s |  | 64 |
| 53 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\OS | URA Component OS Descriptor | s |  | 64 |
| 54 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList | List of Lib Descriptors | l |  |  |
| 55 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\RVM | URA Component RVM Descriptor | s |  | 56 |
| 56 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\Language\Name | URA Component Language Name | s |  | 8 |
| 57 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\Language\Version | URA Component Language version | s |  | 32 |
| 58 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\Language\Date | URA Component Language Date | s |  | 24 |
| 59 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\OS\Name | URA Component OS Name | s |  | 8 |
| 60 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\OS\Version | URA Component OS version | s |  | 32 |
| 61 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\OS\Date | URA Component OS Date | s |  | 24 |
| 62 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList\Lib[1] | Lib Descriptor | c |  |  |
| 63 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList\Lib[1]\Name | URA Component Lib Name | s |  | 64 |
| 64 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList\Lib[1]\Version | URA Component Lib version | s |  | 32 |
| 65 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList\Lib[1]\Date | URA Component Lib Date | s |  | 24 |
| 66 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\LibList\Lib[1]\Link | URA Component Lib Link | d |  | 16 |
| 67 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\RVM\Version | URA Component RVM Version | s |  | 32 |
| 68 | RAP\code\URACodeList\ URACode[1]\URAComponentList\URAComponent[1]\  header \ComponentDescriptor\RVM\Date | URA Component RVM Date | s |  | 24 |

Notes

In case of d format the Size points on a number of bits allocated for the Field Size.