RTC Test Case

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Description |
| 0.1 | 08/06/2012 | Zhonghua Xu | Initial draft |
| 0.2 | 08/09/2012 | Zhonghua Xu | Add comments for the supported platforms |
| 0.3 | 01/09/2013 | Zhonghua Xu | Correct case RTC\_Clock \_9 |

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Glossary and Abbreviations

# Introduction

The Clock is used to set the system time, time zone and DST (daylight saving time). This is an existed feature. However there might be many problems when the time was changed by CLI.

# Test Objectives

The goal is to validate feature functionality, testing will cover below scenarios,

1. Time setting
2. Time zone setting
3. Daylight Saving Time setting

# Test Acceptance Criterion from Development

* Approved – MRD

N/A

* Approved – Functional Specifications

<http://saturn.aerohive.com/view.php?fDocumentId=2101>

* Approved – Unit Test Plans

N/A

# Product Pass Criterion

Feature testing is considered pass when test result meets the requirement defined in the expected result field. The expected result field is defined by the requirements stated in the functional specification and/ or MRD; whichever is stricter; plus additional quality and usability expectations set by the test engineer.

# Test Bed/Topo Design

# Test Case

## RTC\_Clock

### RTC\_Clock\_1

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_1 | | |
| Priority | Accept | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Set clock date time then power off AP, check if AP still keep the original clock after boot up | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set a new time and date  ***clock date-time 2013-01-01 00:00:00***  3) Show the updated time and date  ***show clock***  4) Save the clock setting, then power off and on for AP  5) Show the time and date after AP start up  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-81b680#sh clock***  ***2012-08-06 08:56:37 Monday***  2) The updated time and date after running clock setting cli  ***AH-81b680#clock date-time 2013-01-01 00:00:00***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-81b680#sh clock***  ***2013-01-01 00:00:01 Tuesday***  3) After power off/ on, the time and date should still follow the setting in result 2) subsequently  ***AH-04f880#sh clo***  ***2013-01-01 00:01:25 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_2

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_2 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Reset configure and check if clock change | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the current time and date  ***show clock***  2) Reset config  ***reset con***  3) Show the time and date after AP start up  ***show clock***  4) Set a new time and date  ***clock date-time 2013-01-01 00:00:00***  5) Show the updated time and date  ***show clock***  6) Repeat step 2)  ***reset con***  7) Repeat step 3)  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-09 05:56:27 Thursday***  2) After reset config, the time & date should still follow the value in result 1) subsequently,  ***AH-04f880#sh clo***  ***2012-08-09 06:00:30 Thursday***  3) The updated time & date after setting new time and date,  ***AH-04f880#sh clo***  ***2013-01-01 00:00:01 Tuesday***  4) After reset config, the time & date should follow the value in result 2) subsequently, and not the value in result 3)  ***AH-04f880#sh clo***  ***2012-08-09 06:03:07 Thursday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_3

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_3 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Simulate ap crash event, normally ap should not change real time | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the current time and date  ***show clock***  2) Run crash event  ***\_crash \_ker***  3) Show the time and date after AP start up  ***show clock***  4) Set a new time and date  ***clock date-time 2013-01-01 00:00:00***  5) Show the updated time and date  ***show clock***  6) Repeat step 2)  ***sa con***  ***\_crash \_ker***  7) Repeat step 3)  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-09 06:03:25 Monday***  2) After crash, the time & date should still follow the value in result 1) subsequently,  ***AH-04f880#sh clo***  ***2012-08-09 06:07:53 Monday***  3) The updated time & date after setting new time and date,  ***AH-04f880#sh clo***  ***2013-01-01 00:00:01 Tuesday***  4) After crash, the time & date should follow the value in result 3) subsequently,  ***AH-04f880#sh clo***  ***2013-01-01 00:01:30 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_4

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_4 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Set clock date time then reboot, check if the setting still works | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set a new time and date  ***clock date-time 2013-01-01 00:00:00***  3) Show the updated time and date  ***show clock***  4) Save config then reboot  ***save con***  ***reboot***  5) Show the time and date after AP start up  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-81b680#sh clock***  ***2012-08-06 08:56:37 Monday***  2) The updated time and date after running clock setting cli  ***AH-81b680#clock date-time 2013-01-01 00:00:00***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2013-01-01 00:00:06 Tuesday***  3) After reboot, the time and date should still follow the setting in result 1) subsequently  ***AH-04f880#sh clo***  ***2013-01-01 00:01:40 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_5

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_5 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Set clock date time and then time-zone, check if clock have been changed | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Show current time zone  ***show time-zone***  3) Set a new time and date  ***clock date-time 2013-01-01 00:00:00***  4) Show the updated time and date  ***show clock***  5) Set a new time zone  ***clo time-zone 8***  6) Show the updated time zone  ***show time-zone***  7) Show the time and date after changing time zone  ***show clock***  8) Save config then reboot  ***save con***  ***reboot***  9) Show the time and date after AP start up  ***show clock***  10) Show the time zone after AP start up  ***show time-zone*** | | |
| Expect result | 1) The existing time & date, time zone  ***AH-04f880#sh clo***  ***2012-08-06 11:29:52 Monday***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh time-zone***  ***Timezone: GMT+0:00***  2) The updated time and date after running clock setting cli  ***AH-81b680#clock date-time 2013-01-01 00:00:00***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2013-01-01 00:00:06 Tuesday***  3) The updated time-zone  ***AH-04f880#sh time-zone***  ***Timezone: GMT+8:00***  4) The time and date after setting new time-zone  ***AH-04f880#sh clo***  ***2013-01-01 08:04:07 Tuesday***  5) After reboot, the time and date should still follow the setting in result 4) subsequently, and the time-zone should be kept as configure in result 3)  ***AH-04f880#sh clo***  ***2013-01-01 08:08:07 Tuesday***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh time-zone***  ***Timezone: GMT+8:00*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_6

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_6 | | |
| Priority | Accept | Automation Flag | Yes |
| Topology to use | Have to test with **AP340**/ **AP320** | | |
| Description | Check if daylight-saving-time work | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time  ***clo time-zone daylight-saving-time 01-01 00:00:00 12-31 23:59:59***  3) Show the time and date after DST  ***show clock***  4) Save config then reboot  ***save con***  ***reboot***  5) Show the time and date after AP start up  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 06:43:12 Tuesday***  2) After running DST, the time should increase 1 hour,  ***AH-81b680# clo time-zone daylight-saving-time 01-01 00:00:00 12-31 23:59:59***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 07:47:44 Tuesday***  3) After reboot, the time and date should still follow the setting in result 2) subsequently  ***AH-04f880#sh clo***  ***2012-08-07 07:54:44 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_7

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_7 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Set DST within current clock, check if time change after enable/disable DST | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time  ***clo time-zone daylight-saving-time 01-01 00:00:00 12-31 23:59:59***  3) Show the time and date after DST  ***show clock***  4) Disable DST  ***no clo time-zone daylight-saving-time***  5) Show the time and date after disable DST  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 06:43:12 Tuesday***  2) After running DST, the time should increase 1 hour  ***AH-81b680# clo time-zone daylight-saving-time 01-01 00:00:00 12-31 23:59:59***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 07:47:44 Tuesday***  3) After disable DST, the time should decrease 1 hour against with the value in result 2)  ***AH-81b680# no clo time-zone daylight-saving-time***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 06:48:44 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_8

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_8 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Set DST out of current clock, check if time change after enable/disable DST | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time which is out of current time  ***clo time-zone daylight-saving-time 01-01 00:00:00 07-31 23:59:59***  3) Show the time and date after DST  ***show clock***  4) Disable DST  ***no clo time-zone daylight-saving-time***  5) Show the time and date after disable DST  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 07:54:37 Tuesday***  2) After running DST, the time should still follow the value in result 1) subsequently  ***AH-81b680# clo time-zone daylight-saving-time 01-01 00:00:00 07-31 23:59:59***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 07:54:43 Tuesday***  3) After disable DST, the time should still follow the value in result 2) subsequently  ***AH-81b680# no clo time-zone daylight-saving-time***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 07:55:10 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_9

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_9 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Under syc up with NTP server, check if clock change after enable/disable DST | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) NTP enabled  ***ntp en***  ***ntp server 10.155.31.201*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time which is out of current time  ***clo time-zone daylight-saving-time 01-01 00:00:00 07-31 23:59:59***  3) Show the time and date after DST  ***show clock***  4) Disable DST  ***no clo time-zone daylight-saving-time***  5) Show the time and date after disable DST  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 08:08:03 Tuesday***  2) After running DST, the time should still follow the value in result 1) subsequently  ***AH-81b680# clo time-zone daylight-saving-time 01-01 00:00:00 07-31 23:59:59***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 08:08:31 Tuesday***  3) After disable DST, the time should still follow the value in result 2) subsequently  ***AH-81b680# no clo time-zone daylight-saving-time***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 08:08:41 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_10

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_10 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Check when time slowly enter DST range, check if time change when it happen | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time whose range right start after current time  ***clo time-zone daylight-saving-time 08-07 08:15:00 12-31 23:59:59***  3) Show the time and date after the time goes into the DST range  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 08:14:57 Tuesday***  2) Once time goes into the DST range, the time should increase 1 hour  ***clo time-zone daylight-saving-time 08-07 08:15:00 12-31 23:59:59***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 09:15:01 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_11

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_11 | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Check when time slowly move out of DST range, check if time change when it happen | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Show the existing time and date  ***show clock***  2) Set daylight-saving-time whose range right end after (current time + 1 hour)  ***clo time-zone daylight-saving-time 01-01 00:00:00 08-07 09:25:00***  3) Show the time and date after DST  ***show clock***  4) Show the time and date after the time goes out of the DST range  ***show clock*** | | |
| Expect result | 1) The existing time and date,  ***AH-04f880#sh clo***  ***2012-08-07 08:24:42 Tuesday***  2) After running DST, the time should increase 1 hour  ***AH-81b680# clo time-zone daylight-saving-time 01-01 00:00:00 08-07 09:25:00***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#sh clo***  ***2012-08-07 09:24:58 Tuesday***  3) Once time goes out of the DST range, time should decrease 1 hour  ***AH-04f880#sh clo***  ***2012-08-07 08:25:02 Tuesday*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_12

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_12 | | |
| Priority | Middle | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Failure scenario for date and time inputting | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Set an invalid date  ***AH-04f880#clo date-time 1969-12-31***  ***AH-04f880#clo date-time 2036-01-01***  ***AH-04f880#clo date-time 1970-13-01***  ***AH-04f880#clo date-time 2035-01-41***  ***AH-04f880#clo date-time 2035-02-30***  ***AH-04f880#clo date-time 2035-06-31***  ***AH-04f880#clo date-time 2035-09-31***  2) Set an invalid time  ***AH-04f880#clo date-time 1970-01-01 24:00:00***  **AH-04f880#clo date-time 1970-01-01 00:60:00**  **AH-04f880#clo date-time 1970-01-01 00:00:60** | | |
| Expect result | 1) There should be warning for each invalid date setting  ***AH-04f880#clo date-time 2035-02-30***  ***^-- unknown keyword or invalid input***  2) There should be warning for each invalid time setting  ***AH-04f880#clo date-time 1970-01-01 24:00:00***  ***^-- unknown keyword or invalid input*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_13

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_13 | | |
| Priority | Middle | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Failure scenario for time-zone inputting | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Set an invalid time-zone  ***AH-04f880#clo time-zone 13***  ***AH-04f880#clo time-zone -13*** | | |
| Expect result | 1) There should be warning for each invalid date setting  ***AH-04f880#clo time-zone 13***  ***^-- unknown keyword or invalid input***  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  *- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -*  ***AH-04f880#clo time-zone -13***  ***^-- unknown keyword or invalid input*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### RTC\_Clock\_14

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | RTC\_Clock \_14 | | |
| Priority | Middle | Automation Flag | Yes |
| Topology to use |  | | |
| Description | Failure scenario for DST setting | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP  3) To restore the clock with NTP  ***ntp en***  4) Disable ntp before test  ***no ntp en*** | | |
| Test procedure | 1) Set an invalid date for DST  ***AH-04f880#clo time-zone daylight-saving-time 13-01***  ***AH-04f880#clo time-zone daylight-saving-time 01-32***  2) Set an invalid time for DST  ***AH-04f880#clo time-zone daylight-saving-time 01-01 24:00:00***  ***AH-04f880#clo time-zone daylight-saving-time 01-01 00:60:00***  ***AH-04f880#clo time-zone daylight-saving-time 01-01 00:00:60*** | | |
| Expect result | 1) There should be warning for each invalid date setting  ***AH-04f880#clo time-zone daylight-saving-time 13-01***  ***^-- unknown keyword or invalid input***  2) There should be warning for each invalid time setting  ***AH-04f880#clo time-zone daylight-saving-time 01-01 24:00:00***  ***^-- unknown keyword or invalid input*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

## Bootload\_Test

### Bootload\_Test\_USB

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_USB | | |
| Priority | Accept | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec "usb" to check if USB work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***usb start***  ***usb info*** | | |
| Expect result | 1) After run “usb start”,  ***=> usb start***  ***(Re)start USB...***  ***USB: Register 10011 NbrPorts 1***  ***USB EHCI 1.00***  ***scanning bus for devices... 1 USB Device(s) found***  ***scanning bus for storage devices... 0 Storage Device(s) found***  2) After run “usb info”,  ***=> usb info***  ***1: Hub, USB Revision 2.0***  ***- u-boot EHCI Host Controller***  ***- Class: Hub***  ***- PacketSize: 64 Configurations: 1***  ***- Vendor: 0x0000 Product 0x0000 Version 1.0***  ***Configuration: 1***  ***- Interfaces: 1 Self Powered 0mA***  ***Interface: 0***  ***- Alternate Setting 0, Endpoints: 1***  ***- Class Hub***  ***- Endpoint 1 In Interrupt MaxPacket 2048 Interval 0ms*** | | |
| Test Result | PASS  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |

### Bootload\_Test\_Flash

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_Flash | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"flash" to check if flash work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***flash*** | | |
| Expect result | 1) After run “flash”,  ***=> flash***  ***Bank # 1: CFI conformant FLASH (16 x 16) Size: 64 MB in 512 Sectors***  ***AMD Standard command set, Manufacturer ID: 0x89, Device ID: 0x227E***  ***Erase timeout: 4096 ms, write timeout: 2 ms***  ***Buffer write timeout: 5 ms, buffer size: 1024 bytes***  ***Sector Start Addresses:***  ***EC000000 EC020000 EC040000 RO EC060000 RO EC080000 RO***  ***EC0A0000 RO EC0C0000 RO EC0E0000 RO EC100000 RO EC120000 RO***  ***EC140000 RO EC160000 RO EC180000 RO EC1A0000 RO EC1C0000 RO***  ***EC1E0000 RO EC200000 RO EC220000 RO EC240000 RO EC260000 RO***  ***EC280000 RO EC2A0000 RO EC2C0000 RO EC2E0000 RO EC300000 RO***  ***EC320000 RO EC340000 RO EC360000 RO EC380000 RO EC3A0000 RO***  ***EC3C0000 RO EC3E0000 RO EC400000 RO EC420000 RO EC440000 RO***  ***EC460000 RO EC480000 RO EC4A0000 RO EC4C0000 RO EC4E0000 RO***  ***EC500000 RO EC520000 RO EC540000 RO EC560000 RO EC580000 RO***  ***……*** | | |
| Test Result | PASS  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |

### Bootload\_Test\_Ram

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_Ram | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"mtest" to check if ram work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***mtest*** | | |
| Expect result | 1) After run “mtest”,  ***boot> mtest***  ***ALT MEM Testing 80100000 ... 80ffffff:***  ***Iteration: 1***  ***ALT mem test done, status: OK with 1 loops*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### Bootload\_Test\_EthPhy

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_EthPhy | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec "test\_phy" to check if ethernetPhy work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***test\_phy*** | | |
| Expect result | 1) After run “test\_phy”,  ***boot> test\_phy***  ***7969***  ***SUCCESS: phy\_test.*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### Bootload\_Test\_PCI

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_PCI | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"pci\_test" to check if PCI work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***pci\_test*** | | |
| Expect result | 1) After run “pci\_test”,  ***boot> pci\_test***  ***Scanning PCI devices on bus 0***  ***BusDevFun VendorId DeviceId Device Class Sub-Class***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***  ***00.02.00 0x168c 0x0027 Network controller 0x80***  ***00.03.00 0x168c 0x0027 Network controller 0x80*** | | |
| Test Result | PASS  *Test with AP340, ap340-HiveOS-5-1rX-Dakar-Jun-22-2012-080512054112-0726.img* | | |

### Bootload\_Test\_LED

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_LED | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"led\_set" to check if LED work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***led\_set*** | | |
| Expect result | 1) After run “led\_set”,  ***=> led\_set***  ***led\_set - led\_set - set LED color and brightness. led\_set r 0 b 255 255 127***  ***Usage:***  ***led\_set led\_set - test LED contr and brightness.*** | | |
| Test Result | **FAIL**  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |

### Bootload\_Test\_SHA

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_SHA | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"hw\_auth\_test" to check if SHA work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***hw\_auth\_test*** | | |
| Expect result | 1) After run “hw\_auth\_test”,  ***=> hw\_auth\_test***  ***SUCCESS: SHA-1 chip test.*** | | |
| Test Result | PASS  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |

### Bootload\_Test\_ResetButton

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_ResetButton | | |
| Priority | High | Automation Flag | N/A |
| Topology to use |  | | |
| Description | In bootload, exec"test\_reset\_button" to check if ResetButton work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***test\_reset\_button***  3) Press the reset button as the direction on the console | | |
| Expect result | 1) After run “test\_reset\_button”, then press the reset button  ***=> test\_reset\_button***  ***don't press the reset button yet.***  ***press reset button now.***  ***reset button pressed.***  ***release reset button now.***  ***SUCCESS: reset\_button\_test.*** | | |
| Test Result | PASS  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |

### Bootload\_Test\_TPM

|  |  |  |  |
| --- | --- | --- | --- |
| Case ID | Bootload\_Test\_TPM | | |
| Priority | High | Automation Flag | Yes |
| Topology to use |  | | |
| Description | In bootload, exec"tpm\_test\_init" to check if TPM work or not | | |
| Pre-condition | 1) AP is powered up and works well  2) No special config for AP | | |
| Test procedure | 1) Reboot AP, login bootloader,  ***AH-81b680#***  ***AH-81b680#reboot***  ***Do you really want to reboot? (Y/N)y***  ***Important: Do not unplug the power cord or PoE cable while rebooting!***  ***AH-81b680#2012-08-07 09:22:17 alert ah\_scd: System is rebooting ...***  ***Restarting system.***  ***U-Boot 2009.11 (Jul 31 2012 - 07:44:06)***  ***CPU0: P1020E, Version: 1.1, (0x80ec0011)***  ***Core: E500, Version: 5.1, (0x80212051)***  ***Clock Configuration:***  ***CPU0:533.333 MHz, CPU1:533.333 MHz,***  ***CCB:266.667 MHz,***  ***DDR:266.667 MHz (533.333 MT/s data rate) (Asynchronous), LBC:16.667 MHz***  ***L1: D-cache 32 kB enabled***  ***I-cache 32 kB enabled***  ***I2C: ready***  ***SPI: ready***  ***DRAM: Configuring DDR for 533.333 MT/s data rate***  ***DDR: 256 MB***  ***FLASH: 64 MB***  ***L2: 256 KB enabled***  ***MMC:***  ***PCIE2 connected to Slot 1 as Root Complex (base addr ffe09000)***  ***Scanning PCI bus 01***  ***01 00 168c 0030 0280 ff***  ***PCIE2 on bus 00 - 01***  ***PCIE1 connected to Slot 2 as Root Complex (base addr ffe0a000)***  ***Scanning PCI bus 03***  ***03 00 168c 0030 0280 ff***  ***PCIE1 on bus 02 - 03***  ***In: serial***  ***Out: serial***  ***Err: serial***  ***Net: eth0, eth1***  ***current temperature is 36***  ***Hit any key to stop autoboot: 0***  ***Password:***  ***=>***  ***password = aerohive / administrator***  2) Run cli in bootloader  ***tpm\_test\_init***  ***tpm\_test\_get\_version*** | | |
| Expect result | 1) After run “tpm\_test\_init”,  ***=> tpm\_test\_init***  ***SUCCESS: tpm\_test\_init.***  2) After run “tpm\_test\_get\_version”,  ***=> tpm\_test\_get\_version***  ***SUCCESS: tpm\_test\_get\_version.*** | | |
| Test Result | PASS  *Test with AP350, ap350-HiveOS-5-1rX-Dakar-Jun-22-2012-080612054112-0637.img* | | |