



TUTORIAL TO USE RELEASE NOTE SUMMARIES

STK V3.12

Revision: 001
Date: August 2006



wavecom[®]
Make it wireless

Tutorial to use Release Note Summaries


PRELIMINARY

Reference: **WM_DEM_OAT_UGD_023-001**

Version: **001**

Date: **August 24th, 2006**

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Level	Date	History of the evolution	Author
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1 Introduction

1.1 Scope of this document

This tutorial describes the way the release notes summaries should be used to understand the differences between:

- any specific Open AT[®] OS version and latest Open AT[®] OS v3.12.
- any specific Open AT[®] FW version and latest Open AT[®] FW v6.57
- any specific Open AT[®] TCP/IP or Internet Protocol Plug IN version to the new Wavecom TCP/IP and Internet Protocol Plug In version

1.2 Audience for this document

This document may be distributed to all direct and indirect customers and will be posted on the corporate web site under the Support/Private area.

2 Related Documents

2.1 References

[1]	Release Note Summary for X.41b to X.44a Open AT [®] FW	WM_DEV_OAT_DVD_171-001
[2]	Release Note Summary for X.50 to X.52a Open AT [®] FW	WM_DEV_OAT_DVD_170-001
[3]	Release Note Summary for 6.55 to 6.57 Open AT [®] FW	WM_DEV_OAT_DVD_172-001
[4]	Release Note Summary for X.41b to 6.57 Open AT [®] FW	WM_DEV_OAT_DVD_173-001
[5]	Release Note Summary for v2.10b to v2.13 Open AT [®] OS	WM_DEV_OAT_DVD_167-001
[6]	Release Note Summary for v3.00 to v3.04 Open AT [®] OS	WM_DEV_OAT_DVD_168-001
[7]	Release Note Summary for v3.10 to v3.12 Open AT [®] OS	WM_DEV_OAT_DVD_175-001
[8]	Porting Guide from v2.10b to v3.10 Open AT [®] OS	WM_DEV_OAT_UGD_022-001
[9]	Open AT [®] OS v3.12 Official Release Note	WM_DEV_OAT_DVD_165-001
[10]	Porting Guide from eDSoft to WPISoft AT commands	TBD

2.2 Description

2.2.1 Release Note Summary for X.41b to X.44a Open AT® FW

This document summarizes the evolutions between **X.41b** and **X.44a** Open AT® Firmware.

2.2.2 Release Note Summary for X.50 to X.52a Open AT® FW

This document summarizes the evolutions between **X.50** and **X.52a** Open AT® Firmware.

2.2.3 Release Note Summary for 6.55 to 6.57 Open AT® FW

This document summarizes the evolutions between **6.55** and **6.57** Open AT® Firmware.

2.2.4 Release Note Summary for X.41b to 6.57 Open AT® FW

This document also summarizes the evolutions between **X.41b** and **6.57** Open AT® Firmware following this way : X.41b->X.50->X.50a->X.51->6.55->6.57.

This is because :

6.57 Open AT® FW is a maintenance version of 6.55 Open AT® FW.

6.55 Open AT® FW is the first version of the new branch X5x>=5. It is based on X.51 Open AT® FW.

X.51 Open AT® FW is a maintenance version of X.50a Open AT® FW.

X.50a Open AT® FW is a maintenance version of X.50 Open AT® FW.

X.50 Open AT® FW is the first version of the branch X5x<5. X.41b Open AT® FW has been considered as the base for X.50 Open AT® FW.

2.2.5 Release Note Summary for v2.10b to v2.13 Open AT® OS

This release note summarizes all the evolutions between Open AT® OS V2.10b and Open AT® OS V2.13.

2.2.6 Release Note Summary for v3.00 to v3.04 Open AT® OS

This release note summarizes all the evolutions between Open AT® OS V3.00 and Open AT® OS V3.04.

2.2.7 Release Note Summary for v3.10 to v3.12 Open AT® OS

This release note summarizes all the evolutions between Open AT® OS V3.10 and Open AT® OS V3.12.

2.2.8 Porting Guide from v2.10b to v3.10 Open AT® OS

This porting guide is aimed at helping in porting Open AT® application from Open AT® OS v2.10b to Open AT® OS v3.10.

2.2.9 Porting Guide from eDSoft to WIPSoft AT commands

This porting guide is aimed at helping in porting application using eDSoft AT commands (AT# commands) to WIPSoft AT commands.

3 Firmwares

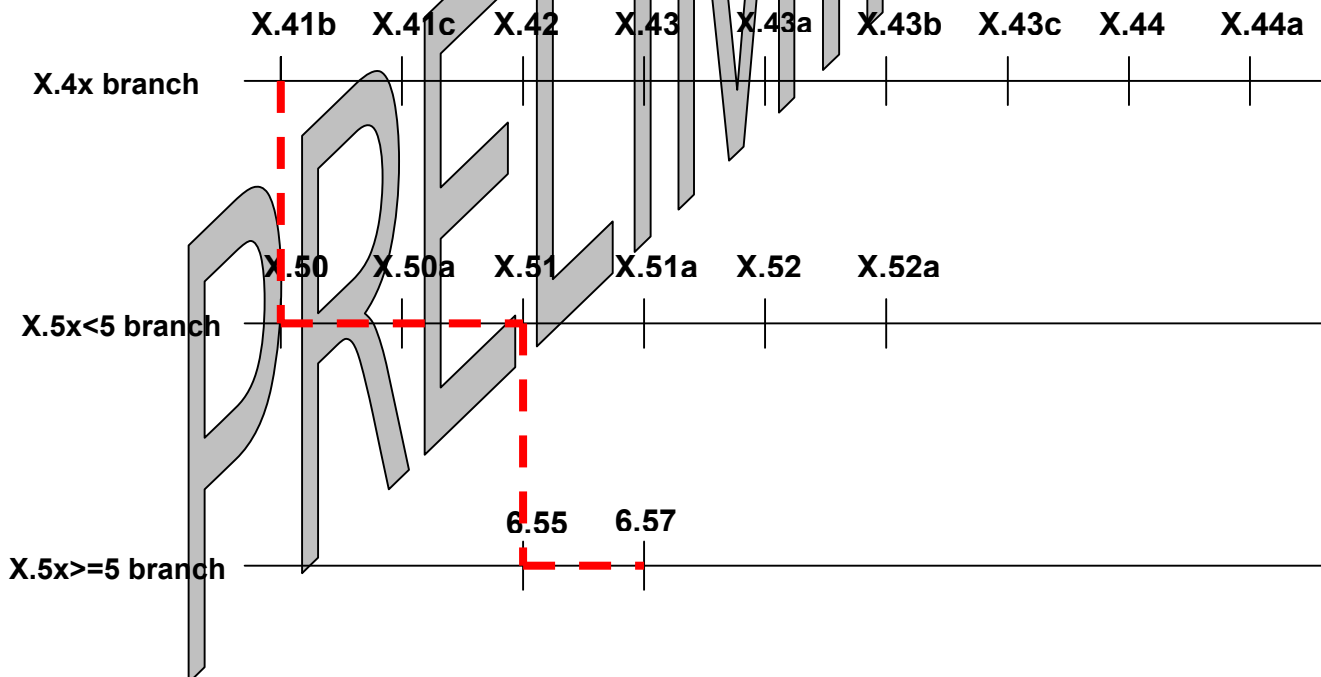
3.1 Guidelines

As it is difficult to have one single document giving the differences between any specific Open AT[®] FW and 6.57 Open AT[®] FW, it has been decided to build several release notes summaries that, when used together, should allow to define the differences of a given Open AT[®] FW with the 6.57 Open AT[®] FW. Wavecom Open AT[®] FW are separated into branches. Currently, the Open AT[®] FW available for Wireless CPU series Q24 and Q25 are separated into 3 branches :

- the branch X.4x (X.41b, X.41c, X.42, X.43, X.43a, X.43b, X.43c, X.44, X.44a)
- the branch X.5x<5 (X.50, X.50a, X.51, X.51a, X.52, X.52a)
- the branch X.5x>=5 (6.55, 6.57)

The typical way to migrate from the X.41b Open AT[®] FW to the 6.57 Open AT[®] FW is as follows :

- X.50 Open AT[®] FW is based on X.41b Open AT[®] FW. So, the first step is to define the differences between X.41b and X.50 Open AT[®] FW.
- 6.55 Open AT[®] FW is based on X.51 Open AT[®] FW. So, the second step is to define the differences between X.51 and 6.55 Open AT[®] FW.
- We finally define the steps to go from X.41b to 6.57 OS as follows (see drawing below) : X.41b->X.50->X.50a->X.51->6.55->6.57



3.2 Example

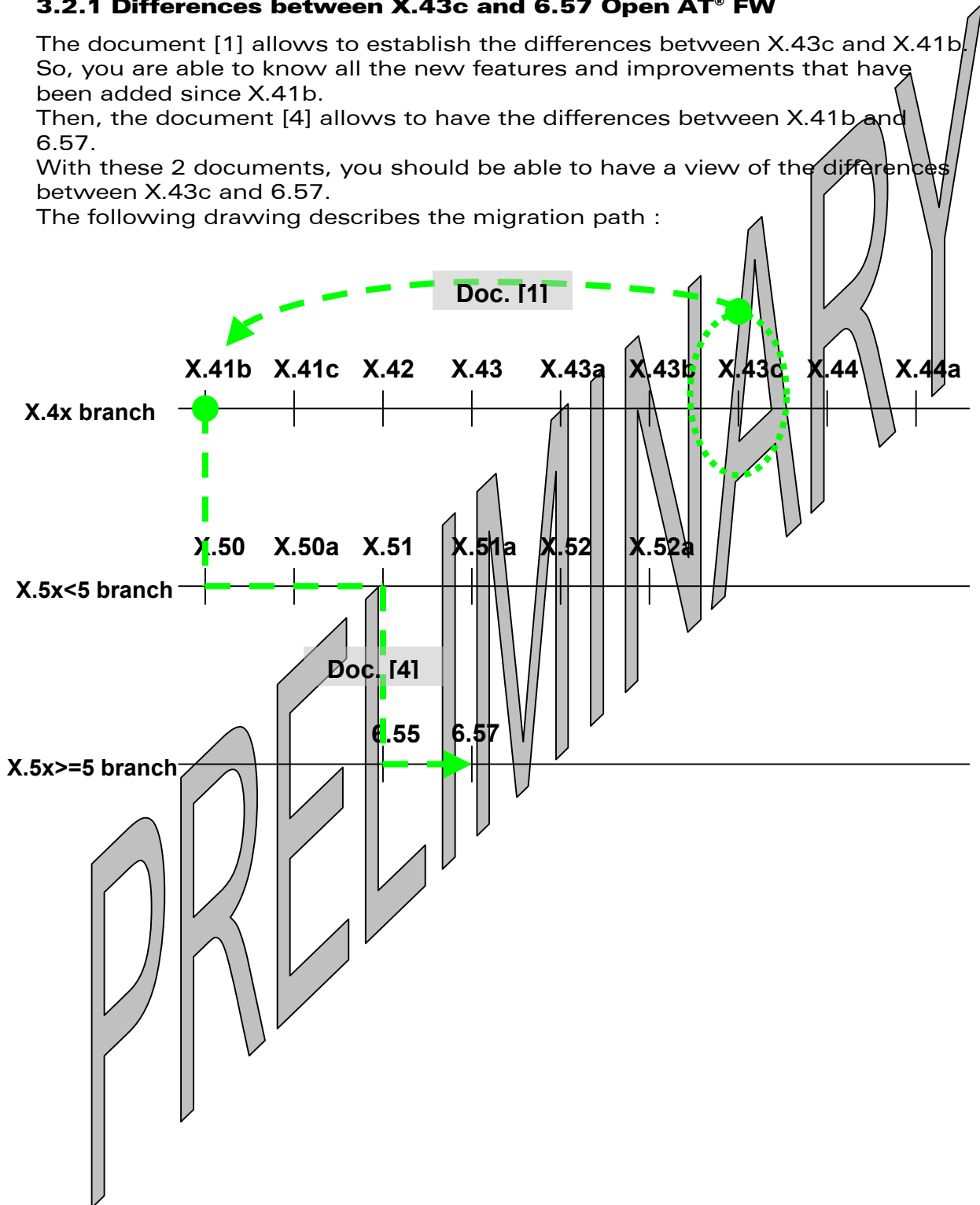
3.2.1 Differences between X.43c and 6.57 Open AT® FW

The document [1] allows to establish the differences between X.43c and X.41b. So, you are able to know all the new features and improvements that have been added since X.41b.

Then, the document [4] allows to have the differences between X.41b and 6.57.

With these 2 documents, you should be able to have a view of the differences between X.43c and 6.57.

The following drawing describes the migration path :



4 Open AT[®]

4.1 Guidelines

The same classification into branches is applied to Open AT[®] OS versions :

- the branch v2.1x, for X.4x Open AT[®] FW (v2.10b, v2.10c, v2.11, v2.12, v2.13)
- the branch v3.0x, for X.5x<5 Open AT[®] FW (v3.00, v3.01, v3.02, v3.03)
- the branch v3.1x, for X.5x>=5 Open AT[®] FW (v3.10, v3.12)

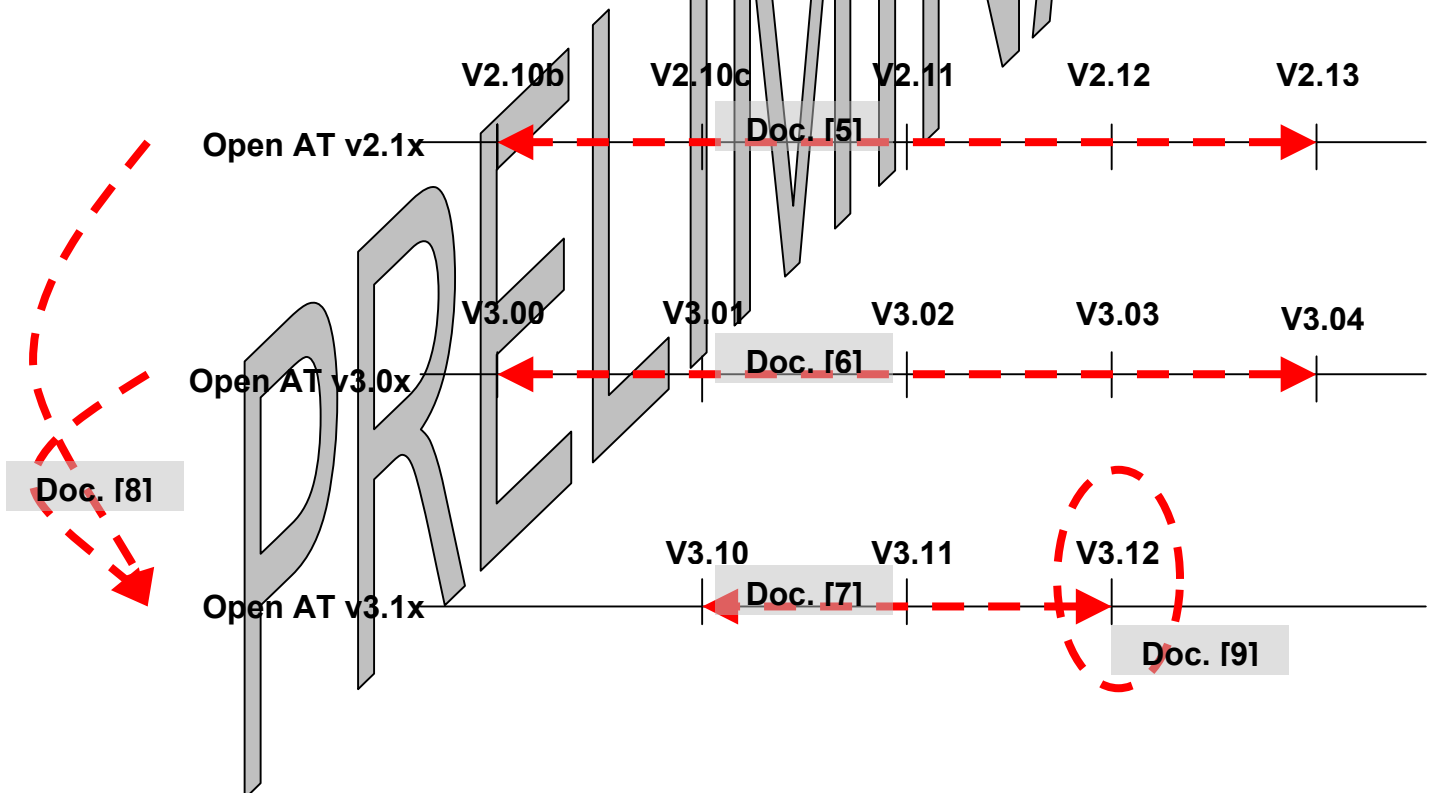
However, there is no correlation between a specific version of a branch and an other version of the previous branch (as it is the case for firmware versions X.51 and 6.55 for example).

Hence, a porting guide (refer to document [8]) is sufficient to convert any Open AT application to the latest Open AT version.

Moreover, thanks to release note summaries specific to each branch (refer to documents [5], [6] and [7]), one is able to know the evolutions between his Open AT version and the latest version on the branch.

Finally, the document [9] allows to have the specificities of Open AT[®] OS v3.12 version.

The drawing below summarizes the different possibilities.



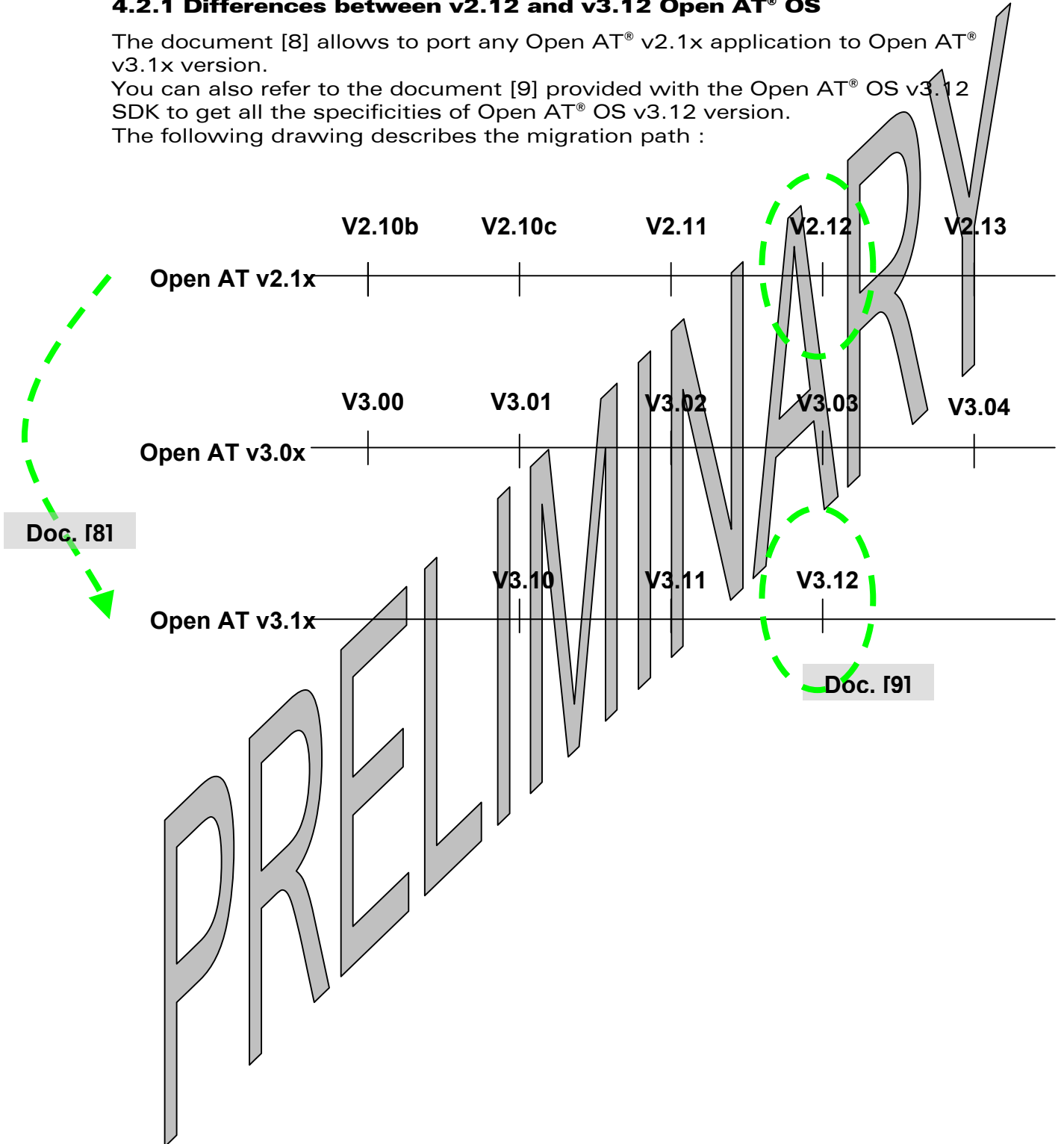
4.2 Example

4.2.1 Differences between v2.12 and v3.12 Open AT® OS

The document [8] allows to port any Open AT® v2.1x application to Open AT® v3.1x version.

You can also refer to the document [9] provided with the Open AT® OS v3.12 SDK to get all the specificities of Open AT® OS v3.12 version.

The following drawing describes the migration path :

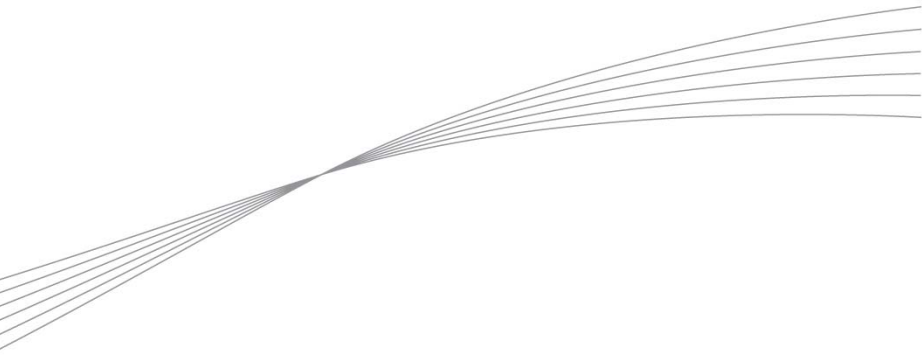


5 TCP/IP

5.1 EDSOFT to WIPSOFT AT commands

The document [10] lists all the commands that have been introduced with the WIPSOFT along with their usage and functionality. This document provides also comparison between the commands available in eDSOFT and WIPSOFT. So, it allows to migrate an external application using eDSOFT AT commands (AT# commands) to a application using the new WIPSOFT At commands (AT+WIP commands).

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