QCWWAN Drivers   
Build Procedures

(Major Version 1, Minor Version 0)

September 27, 2017

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# Introduction

## Purpose

This specification documents the build process for QCWWAN drivers deliverables.

## Revision history

Table 1 Revision history

| Version | Date | Description |
| --- | --- | --- |
| 1.1 | Jun 2015 | Initial release |

# 

# QUD.WIN.1.1

## Build Environment:

1. Visual Studio 2015
2. Perl 5.6
3. Windows SDK for Windows 10, version 1703
4. Windows WDK for Windows 10, version 1703
5. Install Shield 2014

## Build script description

### Build Syntax

buildCustomer.bat: This batch file should be used to build drivers























































































































































































#### Changing version in INF files:

INF files Location: //depot/QMI/win/qcwwan/build/

Files to change: qcfilter.inf, qcmdm.inf, qcnet.inf, qcser.inf, qcwwan.inf, qdbusb.inf

Update the DriverVer <Date,Version>. Update to the next incremental number

#### Folder and File Mappings

qcfilter.inf: Sources are in filter folder, this driver is for QMI communication.

qcser.inf: Sources are in serial folder, information file for Ports (DIAG, SER, NMEA, etc.)

qcmdm.inf: Sources are in serial folder, information file for MODEM (MODEM).

qcnet.inf: Sources are in ndis folder, information file for Network Adapter (Ethernet NDIS 5.1 driver)

qcwawn.inf: Sources are in ndis folder, information file for Network Adapter (WWAN NDIS 6.20 driver)

qdbusb.inf: Sources are in qdss folder, information file for QDSS (QDSS)

#### Changing version in Resource (RC) files:

Filter Driver RC file: //depot/QMI/win/qcwwan/filter/qcfilter.rc -> Open in any editor and update to next version number.

NDIS Driver RC file: //depot/QMI/win/qcwwan/ndis/qcusbnet.rc -> Open in any editor and update to next version number.

Serial Driver RC file: //depot/QMI/win/qcwwan/serial/qcusbser.rc -> Open in any editor and update to next version number.

#### Changing version in Source files:

We have to hard code the version numbers in 2 .c files, this is needed for printing version numbers in the log files:

NDIS Driver: //depot/QMI/win/qcwwan/transport/usb/usbpnp.c -> Search for “Driver Version” and change the version number.

Serial Driver: //depot/QMI/win/qcwwan/serial/qcpnp.c -> Search for “Driver Version” and change the version number.

#### Changing version in Installer:

File: //depot/QMI/win/qcwwan/installer/QualcommDriverInsatll.ism -> Search for “ProductVersion” and update the version number to the next installer version.

File: //depot/QMI/win/qcwwan/installer/QualcommDriverInstall/String1033.txt -> Search for “PRODUCT\_VERSION” and update the version number to the next installer version.

#### Readme Update

The readme.txt is in the following path //depot/QMI/win/qcwwan/installer/. Please update the readme.txt with the changes for this release