**Page1：**

* Good afternoon everyone! It’s my pleasure to give a presentation here. My name is Mao Zhengjun.

**Page2：**

* I am working in department 1 solution 2.

**Page4：**

* My work is mainly code generator development.
* Code generator is a software for generating driver code automatically. CG is short for code generator.
* Customers can use CG quickly generate driver code that they want.

This is steps for using the CG.

**Page6：**

* The schedule shows most of my work plan.
* I attended two projects development. CG development for RL78H1D and CG development for RL78G1J.
* The yellow parts is my tasks. The SMOTD of RL78H1D is a new module.

**Page8:**

* There are 4 stages for the CG development.
* The first stage is manual learning, which aims to get information about chip from the manual.

**Page9:**

* The second stage is detailed design. Which includes GUI design and driver code design.

I designed the SMOTD module independently.

**Page10:**

* The third stage is coding. All the functions of CG are implemented at this stage.

So, this is the most important stage in CG development.

* The column of total shows the code amount of each module.

**Page11:**

* The fourth stage is test.
* The purpose of the test is to check that the functions of CG are correct and whether meet customer requirements.
* Testing includes hardware test and unit test
* Unit-testing using cross-test method

**Page13:**

I have gained a lot from my work.

Technique skills has been improved so much. Especially in parts of CG development.

**Page15:**

* I have two plans in the short term.

Learning the Plug-in Development technology based on the eclipse to be ready for the future development.

Studying the principle of complex peripherals.

* I have goals within 3 years.
* Now I can develop medium difficulty module. I wish I can develop more difficult modules within two years. After that, within three years, I be able to develop some simple frameworks and core code.

**Page16:**

Thank you for watching and listening.

Thanks to my instructors and teammates. They gave me a lot of help.