

ICFSmaker

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🧐Hey, you are going to use
a template any way, why
not using mine?😊

Hello everyone.😊

**This video is a demonstration
of the python script I recently
working on. Let's check it out.**
😊

There are 3 files in this folder.

**the script itself, CAN matrix,
and function list.**

**1: The CAN matrix contains
information about signals.**
It's normally given by **OEMs**, and
always confidential,
so what you see here is just a
demo👋
We got **message Id, message**

name, signal name, signal length, and signal coding information.

2: function list, function list contains the function of a **instrument cluster.**

The first column is the name of the function.

We list only 2 function as example, tire pressure low and seat belt unfasten.

Other columns are the signals used in each function.

I assume, tire pressure low warning need just signal1 while seat belt unfasten warning need signal2 and signal3.

3: Ok, double-click on the script. You see a docx file is generated, with elegant layout.

two chapters in this document, which are the function names in the previous function list.

Each chapter got 5 sections:

- 1) overview,
- 2) input,
- 3) strategy,
- 4) exception handling, and
- 5) working condition

3.1: In the overview section,
The table is for filling in
configuration information,
if configuration is not needed,
then delete the table.

3.2: In input section,
You got the signal information. 😊

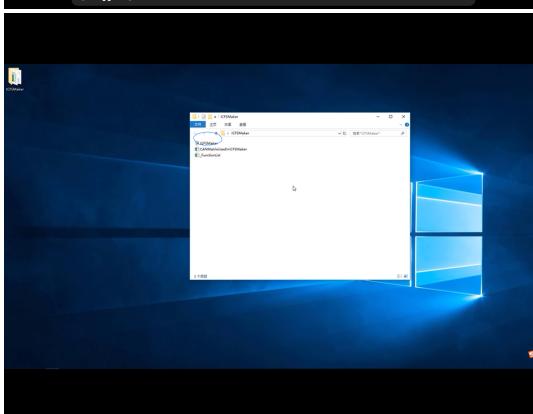
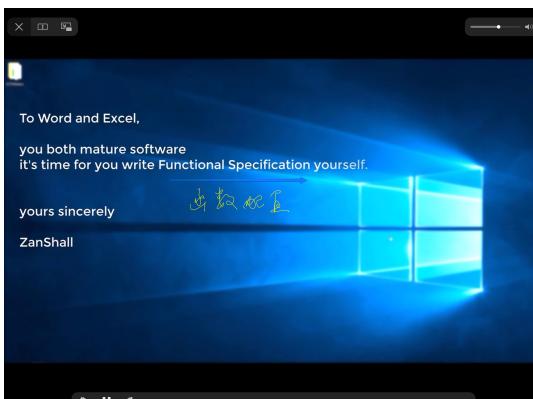
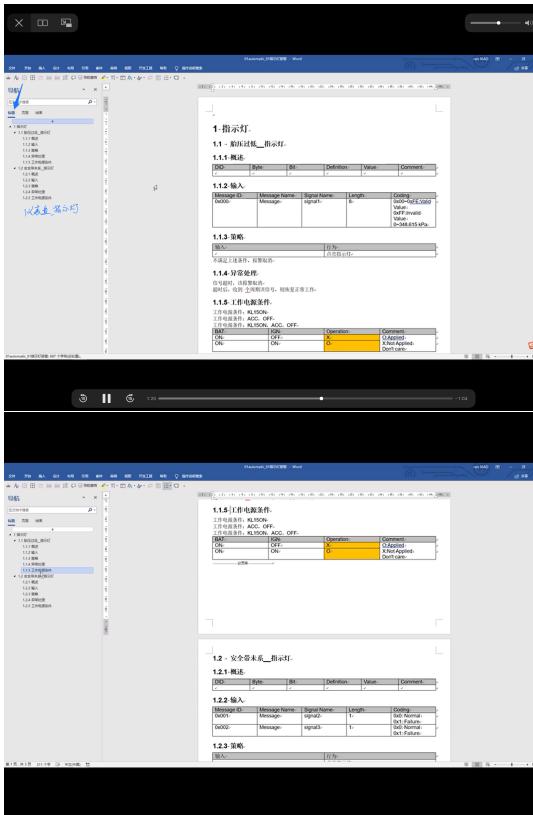
3.3: In Strategy section
The blank cell is for filling in
functional strategy.

3.4: exception handling
it describes the behavior of the
cluster when signal
got timeout and recovery from
timeout.

3.5: Finally, the working
condition section,
I have listed all the working
conditions, Keep the one you
needed and delete the others,
and don't forget to update the
table below.

This is what the script can do,
I'm ZanShall and thanks for
watching 😊.

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