## 1. スタート 〔STM32F4DISCOVERY/STM32CubeIDE で、freeRTOS を使う〕 2020年8月29日

まずはOS 以前に、プロジェクトの生成手順です。



※Start new STM32 project を選ぶ。

STM32 Project           Target Selection           Select STM32 target or STM32Cube example						– – ×
MCU/MPU Selector     Board Selector     Example Se       Board Filters     ★     ➡     ➡	elector Cross Selecto	res Large Picture	Docs & Res	sources	🕑 Datasheet	📑 Buy
Commercial Vant Number Vendor >	STM32F4 Se	eries				
Туре	Boards List: 7 item	s				📤 Export
MCU/MPU Series > Other >	• Overview     ★	X Commercial Part No	Type Discovery Kit	X Marketing Sta	tus X Unit Price (US	\$) X Mounted Device X
Peripheral >	☆	STM32F407G-DISC1	Discovery Kit	Active	19.89	STM32F407VGTx
	☆ (iii)	STM32F411E-DISCO	Discovery Kit	Active	15.0	STM32F411VETx
	¢ ∎	STM32F412G-DISCO	Discovery Kit	Active	35.0	STM32F412ZGTx
	*	STM32F413H-DISCO	Discovery Kit	Active	70.0	STM32F413ZHTx
	*	STM32F429I-DISC1	Discovery Kit	Active	29.9	STM32F429ZITX
0				< Baci	< Next >	Finish Cancel

## ※Board Selection からSTM32407G-DISC1を選ぶ。

DE STM32 Proje	rt —	o x
Setup STM32 pr	oject	IDE
Project		
Project Name:	freeRTOS_One	
🗹 Use default	location	
Location:	C:/Projects/Hobby/STM32F4-freeRTOS/ProgramWorksp	Browse
Targeted La C  C  C Targeted Bi Executal	nguage ++ nary Type O Static Library	
Targeted Pr	oject Type ⊿be ○Empty	
?	< <u>B</u> ack <u>N</u> ext > <u>Einish</u>	Cancel

※なんとなく C++も使えるようにしておきました。

DE STM32 Project —			×	
Firmware Library Package Setup Setup STM32 target's firmware		10	)E	
Target and Firmware Package				
Firmware Package Name and Version: STM32Cube FW_F4 V1.25.0	~			
Firmware package Repository Location: C¥UsersYysfactory¥STM32Cube¥Repository See <u>'Firmware Updater'</u> for settings related to firmware package insi	tallation			
Code Generator Options O Add necessary library files as reference in the toolchain project co Copy all used libraries into the project folder © Copy only the necessary library files	onfigura	ition f	ile	
⑦ < Back Next > Einish	Ci	ancel		
IDE Board Project Options:				×
Initialize all peripherals with their default Mode ?				
<u>Y</u> es			<u>N</u> o	
*Yes				
Den Associated Perspective?				×
Device Configuration Tool editor is associated with Device Co perspective. Do you want to open this perspective now?	nfigura	tion Te	ool	
Remember my decision				
Yes			<u>N</u> o	

**%**Yes