

2017 TSMC CyberShuttle Service Plan

Version: 1.0

Sep. 1, 2016

Shuttle Type (Technology)	Tape-In Date (TWN Time)/ TM # / Fab / Captain / Technology Availability					
	Jan	Feb	Mar	Apr	May	Jun
16 nm	Jan-10 TMIQ14 Fab14 Shirley		Mar-7 TMIQ15 Fab14 Lynn			Jun-6 TMIQ16 Fab14 Howard
Logic, Fin FET Compact (0.8/1.8V)	V		V			V
Logic, Fin FET Plus (0.8/1.8V)	V		V			V
28 nm	Jan-11 TMIQ40 Fab15 Vincent	Feb-15 TMIQ41 Fab15 Jeff	Mar-15 TMIQ42 Fab15 Jerry	Apr-19 TMIQ43 Fab15 Vincent	May-17 TMIQ44 Fab15 Jeff	Jun-21 TMIQ45 Fab15 Jerry
Logic, HPM (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HP (0.85/1.8V, 0.85/2.5V)	V	V	V	V	V	V
Logic, LP (1.05/1.8V, 1.05/2.5V)	V	V	V	V	V	V
Logic, LP Plus (1.05/1.8V)	V	V	V	V	V	V
Logic, ULP (0.7/1.8V)	V		V		V	
Logic, HPL (1.0&1.8V, 1.0/2.5V)	V	V	V	V	V	V
RF HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
RF HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
RF LP (1.05V/1.8V)	V	V	V	V	V	V
RF HPL (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V
40nm LP & 45nm GS (45GS = 40G)	Jan-4 TMNI19 Fab14 ZR	Feb-8 TMIQ21 Fab12 CC	Mar-1 TMIQ22 Fab14 ZR	Apr-12 TMIQ23 Fab14 Shirley	May-3 TMIQ24 Fab12 ZR	Jun-7 TMIQ25 Fab14 CC
Logic, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V
Logic, 40LP Plus (1.1/2.5V)	V	V	V	V	V	V
Logic, 40ULP (1.1/2.5V, 0.9/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, 40ULP (1.1/2.5V, 0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, 45GS (45GS = 40G) (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
High Voltage (1.1/5/6/25/32V)		V			V	
EmbFlash, 40LP (1.1/2.5V)			V			V
55 nm	Jan-17 TMIQ32 Fab14 Jerry	Feb-15 TMIQ33 Fab12 Jerry	Mar-8 TMIQ34 Fab14 FK	Apr-19 TMIQ35 Fab14 Francis	May-10 TMIQ36 Fab12 Jerry	Jun-14 TMIQ37 Fab14 Francis
Logic, GP (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V
Logic, LP (1.2/1.8V, 1.2/2.5V)	V	V	V	V	V	V
Logic, ULP (0.9V/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/1.8V, 1.2/ 2.5V)	V	V	V	V	V	V
Mixed Signal/RF, ULP (0.9V/2.5V)	V	V	V	V	V	V
EmbFlash (1.2/2.5V)	V		V			V
EmbFlash, ULP (0.9&2.5V)	V		V			V
High Voltage (1.2/6/32V)		V			V	
65 nm	Jan-17 TMNH56 Fab14 Jeff	Feb-15 TMNH57 Fab12 Vincent	Mar-8 TMNH58 Fab14 Jeff	Apr-19 TMNH59 Fab14 Jerry	May-10 TMNH61 Fab12 Vincent	Jun-14 TMNH62 Fab14 Jeff
Logic, LP/DGO (1.2/2.5V,1.2/3.3V)	V	V	V	V	V	V
Logic, GP /DGO (1.0/1.8V, 1.0/2.5V, 1.0/3.3V)	V	V	V	V	V	V
Logic, LP-based TGO (1.0/1.2/2.5V)	V	V			V	
Logic, ULP (1.0/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, GP(1.0/ 2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/ 2.5V)	V	V	V	V	V	V
80 nm				Apr-26 TMIQ56 Fab12 CC		
Logic, GC (1.0/2.5V, 1.0/3.3V)				V		
Logic, High Performance (1.2/2.5V)				V		
Mixed-Signal, GC (1.0/2.5V, 1.0/3.3V)				V		
High Voltage (1.2/5/6/32V)				V		
85 nm			Mar-15 TMIQ58 Fab14 ZR			
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V)			V			
Logic, LP (1.2/2.5V, 1.2/3.3V)			V			
Mixed-Signal/RF, LP (1.2/3.3V)			V			

90 nm	Jan-11 TMNH71 Fab14 Lynn		Mar-15 TMNH72 Fab14 CC		May-10 TMNH73 Fab14 Lynn	
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V, 1.0/1.8/3.3V)	V		V		V	
Logic, LP (1.2/2.5V, 1.2/3.3V)	V		V		V	
Logic, GT (High Performance) (1.2/2.5V)	V		V		V	
Mixed-Signal/RF,G(1.0/1.8V, 1.0/2.5V, 1.0/3.3V, 1.0/1.8/3.3V)	V		V		V	
Mixed-Signal/RF, LP (1.2/2.5V, 1.2/3.3V)	V		V		V	
EmbFlash, LP (1.2/3.3V)	V				V	
0.11 um				Apr-5 TMNH69 Fab12 FK		
Logic, G (1.2/3.3V), FSG				V		
Mixed-Signal, G (1.2/3.3V), FSG				V		
Mixed-Signal, G (1.2/3.3V), FSG, Hybrid						
Mixed-Signal, LP (1.2/3.3V), FSG, Hybrid						
0.13 um	Jan-11 TMNH80 Fab14 FK	Feb-21 TMNH81 Fab6 YW	Mar-28 TMNH82 Fab6 YW	Apr-26 TMNH83 Fab12 Jeff	May-23 TMNH85 Fab6 Jerry	Jun-28 TMNH86 Fab6 Vincent
Logic, G (1.2/2.5V,1.2/3.3V); FSG	V	V	V	V	V	V
Logic, LP (1.5/2.5V,1.5/3.3V); FSG	V	V	V	V	V	V
Logic, LV (1.0/2.5V,1.0/3.3V); FSG	V	V	V	V	V	V
Mixed-Signal/RF, G (1.2/2.5V,1.2/3.3V); FSG	V	V	V	V	V	V
Mixed-Signal, LP (1.5/3.3V); FSG	V	V	V	V	V	V
High Voltage, BCD (1.5/5/10/20/28/36V)	V	V	V	V	V	V
High Voltage, BCD (1.5/3.3/5/10/20/28/36V)	V	V	V	V	V	V
0.152um	Jan-17 TMNH93 Fab10 ZR					
Logic, G (1.8/3.3V)	V					
Mixed-Signal, G (1.8/3.3V)	V					
Mixed-Signal GPIIA, G (1.8/5V)	V					
0.18 um: Part 1	Jan-4 TMNI01 Fab8 CC	Feb-8 TMNI02 Fab3 Lynn	Mar-8 TMNI03 Fab6 Shirley	Apr-12 TMNI04 Fab5 CC	May-10 TMNI05 Fab3 Shirley	Jun-7 TMNI06 Fab11 Shirley
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP	V	V	V		V	
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)	V	V	V		V	
Mixed Signal, G, (1.8/5V)	V					V
Logic, G (1.8/3.3V)	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP	V	V	V		V	
Logic, LV (1.5/3.3V)		V	V	V	V	V
Logic, LP (1.8/3.3V)	V			V		
SiGe BiCMOS, G (1.8/3.3V)		V			V	
CMOS Image Sensor (1.8/3.3V)	V					
EmbFlash(1K,20K) (1.8/3.3V)						V
EmbFlash Enhanced (1.8/3.3V)						V
EmbFlash Enhanced (1.8/5V)						V
EmbFlash HDR (1.8/3.3V)						V
High Voltage (1.8/3.3/32V)						
High Voltage (1.8/5/32V)				V		
High Voltage (1.8/5/18/24/32/40V), BCD						
High Voltage (1.8/5/60/Vg1.8/5V), BCD						
High Voltage, BCD (Generation-2)			V	V		
High Voltage, BCD (Generation-3)			V	V		
0.18 um: Part 2	Jan-17 TMNI20 Fab11 Howard	Feb-15 TMNI21 SSMC ZR	Mar-15 TMNI22 Fab8 Howard	Apr-19 TMNI23 SSMC ZR	May-17 TMNI24 Fab8 CC	Jun-14 TMNI25 SSMC Lynn
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP			V	V	V	
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)			V	V	V	
Mixed Signal, G, (1.8/5V)	V	V	V	V	V	V
Logic, G (1.8/3.3V)	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP			V	V	V	
Logic, LV (1.5/3.3V)	V					
Logic, LP (1.8/3.3V)		V	V	V	V	V
EmbFlash(1K, 20K) (1.8/3.3V)	V					
EmbFlash Enhanced (1.8/3.3V)	V			V		
EmbFlash Enhanced (1.8/5V)	V					
EmbFlash HDR (1.8/3.3V)	V					

EmbFlash eLL(1.8/3.3V)				V		V
High Voltage (1.8/3.3/32V)				V		V
High Voltage (1.8/5/32V)				V		V
High Voltage (1.8/5/18/24/32/40V), BCD		V		V		V
High Voltage (1.8/5/60/Vg1.8/5V), BCD				V		V
High Voltage, BCD (Generation-2)		V		V		V
High Voltage, BCD (Generation-3)				V		V
0.18 um: Part 3		Feb-21	Mar-22	Apr-26	May-23	Jun-21
		TMNI32	TMNI33	TMNI34	TMNI35	TMNI36
		Fab6	SSMC	Fab6	Fab6	Fab6
		Howard	Shirley	Howard	Lynn	ZR
Mixed-Signal/RF, G (1.8/3.3V)		V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP		V		V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)		V		V	V	V
Mixed Signal, G, (1.8/5V)			V			
Logic, G (1.8/3.3V)		V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP		V		V	V	V
Logic, LV (1.5/3.3V)		V		V	V	V
Logic, LP (1.8/3.3V)			V			
EmbFlash Enhanced (1.8/3.3V)			V		V	
EmbFlash eLL(1.8/3.3V)					V	
High Voltage (1.8/5/18/24/32/40V), BCD						
High Voltage, BCD (Generation-2)		V		V		V
High Voltage, BCD (Generation-3)		V		V		V
0.25 um: Part 1	Jan-4		Mar-1		May-3	
	TMNI13		TMNI14		TMNI15	
	Fab10		Fab3		Fab3	
	YW		Vincent		YW	
Logic, G (2.5/3.3V, 2.5/5V)	V		V		V	
Logic, G (2.5/3.3V, 2.5/5V), Embedded OTP			V		V	
Logic, G (2.5/3.3V), Embedded MTP			V		V	
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V		V		V	
Mixed-Signal, G (2.5/3.3V, 2.5/5V), Embedded OTP			V		V	
Mixed-Signal/RF, G (2.5/3.3V), Embedded MTP			V		V	
0.25 um: Part 2	Jan-17	Feb-15	Mar-15	Apr-19	May-17	Jun-14
	TMNI40	TMNI41	TMNI42	TMNI43	TMNI44	TMNI45
	Fab10	Fab8	Fab10	Fab10	Fab10	Fab8
	YW	FK	YW	YW	YW	YW
Logic, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/12/24/40V/Vg2.5/5V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/12/24/40/Vg2.5/5/12V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/60V/Vg 2.5/5V)	V	V				V
High Voltage, BCD (2.5/5/12/24/40/60/Vg2.5/5/12V)	V	V				V
High Voltage, Gen-2 BCD (2.5/5/7/12/20/24/40/45/60V/Vg 2.5/5/12V)	V	V		V		V
0.35 um: Part 1	Jan-11		Mar-22		May-10	
	TMNI60		TMNI61		TMNI62	
	Fab10		Fab3		Fab10	
	Francis		Vincent		Francis	
Logic, G, Polycide/Silicide (3.3/5V)	V		V		V	
Mixed-Signal, G (3.3/5V)	V		V		V	
High Voltage, G, DDD (3.3/12/13.5)	V		V		V	
High Voltage, DDD (3.3/12/13.5/15/18V)	V				V	
High Voltage, BCD (3.3/20/23/Vg3.3V)			V			
High Voltage, BCD (3.3/5/12/15/20/40/Vg3.3/5/12V)			V			
0.35 um: Part 2		Feb-8			May-31	
		TMNI52			TMNI53	
		Fab3			Fab3	
		YW			Francis	
SiGe BiCMOS, G (3.3V)		V			V	
0.5 um			Mar-28			Jun-28
			TMNI56			TMNI57
			Fab3			Fab3
			Howard			Shirley
High Voltage, (5/20/450/600/700/800V)			V			V

* the calendar is Taiwan time

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Change History :

2016 TSMC CyberShuttle Service Plan

Version: 1.9

Sep. 23, 2016

Shuttle Type (Technology)	Jul	Aug	Sep	Oct	Nov	Dec
16 nm	Jul-5 TMGJ15 Fab14 Shirley		Sep-6 TMGJ16 Fab14 CC		Nov-1 TMGJ17 Fab14 Howard	
Logic, Fin FET Compact (0.8/1.8V)	V		V		V	
Logic, Fin FET Plus (0.8/1.8V)	V		V		V	
28 nm	Jul-20 TMGJ59 Fab15 Vincent	Aug-17 TMGJ60 Fab15 Jeff	Sep-28 TMGJ37 Fab15 ZY	Oct-19 TMGJ38 Fab15 Vincent	Nov-16 TMGJ39 Fab15 Jeff	Dec-21 TMGJ40 Fab15 ZY
Logic, HPM (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, HP (0.85/1.8V, 0.85/2.5V)	V	V	V	V	V	V
Logic, LP (1.05/1.8V, 1.05/2.5V)	V	V	V	V	V	V
Logic, LP Plus (1.05/1.8V, 1.05/1.05/1.8V)	V	V	V	V	V	V
Logic, ULP (0.7/1.8V)	V		V		V	
Logic, HPL (1.0&1.8V, 1.0/2.5V)	V	V	V	V	V	V
RF HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
RF HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
RF LP (1.05V/1.8V)	V	V	V	V	V	V
RF HPL (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V
40nm LP & 45nm GS (45GS = 40G)	Jul-6 TMGJ67 Fab14 CC	Aug-3 TMGJ68 Fab12 Howard	Sep-7 TMGJ69 Fab14 Lynn	Oct-4 TMGJ18 Fab14 Shirley	Nov-2 TMGJ19 Fab12 Lynn	Dec-14 TMGJ20 Fab14 CC
Logic, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V
Logic, 40LP Plus (1.1/2.5V)	V	V	V	V	V	V
Logic, 40ULP (1.1/2.5V, 0.9/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, 40ULP (1.1/2.5V, 0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
Logic, 45GS (45GS = 40G) (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V
EmbFlash, 40LP (1.1/2.5V)			V			V
55 nm	Jul-13 TMGJ87 Fab14 Francis	Aug-10 TMGJ88 Fab12 ZY	Sep-21 TMGJ89 Fab14 Vincent	Oct-12 TMGJ90 Fab14 ZY	Nov-9 TMGJ91 Fab12 ZY	Dec-7 TMGJ92 Fab14 Vincent
Logic, GP (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V
Logic, LP (1.2/1.8V ,1.2/2.5V)	V	V	V	V	V	V
Logic, ULP (0.9V/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/1.8V, 1.2/ 2.5V)	V	V	V	V	V	V
Mixed Signal/RF, ULP (0.9V/2.5V)	V	V	V	V	V	V
EmbFlash (1.2/2.5V)			V			V
EmbFlash, ULP (0.9&2.5V)			V			V
High Voltage (1.2/6/32V)		V			V	
65 nm	Jul-13 TMGJ77 Fab14 ZY	Aug-10 TMGJ78 Fab12 Vincent	Sep-21 TMGJ79 Fab14 Jeff	Oct-12 TMGJ80 Fab14 Jeff	Nov-9 TMGJ93 Fab12 Francis	Dec-7 TMGJ94 Fab14 Francis
Logic, LP/DGO (1.2/2.5V,1.2/3.3V)	V	V	V	V	V	V
Logic, GP /DGO (1.0/1.8V, 1.0/2.5V, 1.0/3.3V)	V	V	V	V	V	V
Logic, LP-based TGO (1.0/1.2/2.5V)		V			V	
Logic, ULP (1.0/2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, GP(1.0/ 2.5V)	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/ 2.5V)	V	V	V	V	V	V
80 nm				Oct-19 TMGJ96 Fab12 CC		
Logic, GC (1.0/2.5V, 1.0/3.3V)				V		
Logic, High Performance (1.2/2.5V)				V		
Mixed-Signal, GC (1.0/2.5V, 1.0/3.3V)				V		
High Voltage (1.2/5/6/32V)				V		
85 nm			Sep-21 TMGJ98 Fab12 ZR			
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V)			V			
Logic, LP (1.2/2.5V, 1.2/3.3V)			V			
Logic, ULP (1.0/2.5V)			V			
Mixed-Signal/RF, LP (1.2/3.3V)			V			

90 nm	Jul-20 TMIQ63 Fab14 Howard		Sep-21 TMIQ64 Fab12 Shirley		Nov-16 TMIQ65 Fab14 ZR	
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V, 1.0/1.8/3.3V)	V		V		V	
Logic, LP (1.2/2.5V, 1.2/3.3V)	V		V		V	
Logic, GT (High Performance) (1.2/2.5V)	V		V		V	
Mixed-Signal/RF, G(1.0/1.8V, 1.0/2.5V, 1.0/3.3V, 1.0/1.8/3.3V)	V		V		V	
Mixed-Signal/RF, LP (1.2/2.5V, 1.2/3.3V)	V		V		V	
EmbFlash, LP (1.2/3.3V)	V				V	
0.11 um				Oct-4 TMIP37 Fab6 Francis		
Logic, G (1.2/3.3V), FSG						
Mixed-Signal, G (1.2/3.3V), FSG						
Mixed-Signal, G (1.2/3.3V), FSG, Hybrid				V		
Mixed-Signal, LP (1.2/3.3V), FSG, Hybrid				V		
0.12 um	Jul-27 TMIP33 Fab14 FK					
Logic, G (1.2/3.3V), FSG	V					
0.13 um	Jul-27 TMIP26 Fab14 Francis	Aug-10 TMIP27 Fab12 YW	Sep-21 TMIP28 Fab6 FK	Oct-4 TMIP29 Fab12 YW	Nov-11 TMIP30 Fab12 Vincent	Dec-21 TMIP31 Fab6 Jeff
Logic, G (1.2/2.5V,1.2/3.3V); FSG	V	V	V	V	V	V
Logic, LP (1.5/2.5V,1.5/3.3V); FSG	V	V	V	V	V	V
Logic, LV (1.0/2.5V,1.0/3.3V); FSG	V	V	V	V	V	V
Mixed-Signal/RF, G (1.2/2.5V,1.2/3.3V); FSG	V	V	V	V	V	V
Mixed-Signal, LP (1.5/3.3V); FSG	V	V	V	V	V	V
High Voltage, BCD (1.5/5/10/20/28/36V)	V	V	V	V	V	V
High Voltage, BCD (1.5/3.3/5/10/20/28/36V)	V	V	V	V	V	V
0.152um	Jul-13 TMIP43 Fab10 ZR			Oct-12 TMIP44 Fab10 ZR		
Logic, G (1.8/3.3V)	V			V		
Mixed-Signal, G (1.8/3.3V)	V			V		
Mixed-Signal GPIIA, G (1.8/5V)	V			V		
0.18 um: Part 1	Jul-13 TMIP52 Fab8 Lynn	Aug-10 TMIP53 Fab3 CC	Sep-7 TMIP54 Fab5 Howard	Oct-12 TMIP55 Fab11 Lynn	Nov-9 TMIP56 Fab3 Shirley	Dec-14 TMIP57 Fab5 Howard
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP	V	V			V	
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)	V	V			V	
Mixed Signal, G, (1.8/5V)	V			V		
Logic, G (1.8/3.3V)	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP	V	V			V	
Logic, LV (1.5/3.3V)	V	V	V	V	V	V
Logic, LP (1.8/3.3V)	V		V			V
SiGe BiCMOS, G (1.8/3.3V)		V			V	
CMOS Image Sensor (1.8/3.3V)	V					
EmbFlash(1K,20K) (1.8/3.3V)				V		
EmbFlash Enhanced (1.8/3.3V)				V		
EmbFlash Enhanced (1.8/5V)				V		
EmbFlash HDR (1.8/3.3V)				V		
High Voltage (1.8/3.3/32V)						
High Voltage (1.8/5/32V)						
High Voltage (1.8/5/18/24/32/40V), BCD			V			V
High Voltage (1.8/5/60/Vg1.8/5V), BCD						
High Voltage, BCD (Generation-2)			V			V
0.18 um: Part 2	Jul-20 TMIP66 Fab3 CC	Aug-17 TMIP67 Fab8 Lynn	Sep-21 TMIP68 SSMC Lynn	Oct-19 TMIP69 SSMC Howard	Nov-16 TMIP70 Fab6 Lynn	Dec-21 TMIP71 SSMC Shirley
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP	V	V			V	
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)	V	V			V	
Mixed Signal, G, (1.8/5V)	V	V	V	V		V
Logic, G (1.8/3.3V)	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP	V	V			V	
Logic, LV (1.5/3.3V)	V				V	
Logic, LP (1.8/3.3V)		V	V	V		V

EmbFlash(1K, 20K) (1.8/3.3V)	V					
EmbFlash Enhanced (1.8/3.3V)	V		V		V	V
EmbFlash Enhanced (1.8/5V)	V					
EmbFlash HDR (1.8/3.3V)	V					
EmbFlash eLL(1.8/3.3V)	V				V	
High Voltage (1.8/3.3/32V)		V				
High Voltage (1.8/5/32V)		V				
High Voltage (1.8/5/18/24/32/40V), BCD		V		V		
High Voltage (1.8/5/60/Vg1.8/5V), BCD		V				
High Voltage, BCD (Generation-2)		V		V		
0.18 um: Part 3	Jul-27	Aug-24	Sep-28	Oct-26	Nov-30	Dec-28
	TMIP75	TMIP76	TMIP77	TMIP78	TMIP79	TMIP80
	SSMC	Fab5	Fab6	Fab6	Fab5	Fab6
	Lynn	Shirley	Howard	ZR	CC	Lynn
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP			V	V		V
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)			V	V		V
Mixed Signal, G, (1.8/5V)	V					
Logic, G (1.8/3.3V)	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP			V	V		V
Logic, LV (1.5/3.3V)		V	V	V	V	V
Logic, LP (1.8/3.3V)	V	V			V	
EmbFlash(1K, 20K) (1.8/3.3V)						
EmbFlash Enhanced (1.8/3.3V)						
EmbFlash Enhanced (1.8/5V)						
EmbFlash HDR (1.8/3.3V)						
EmbFlash eLL(1.8/3.3V)						
High Voltage (1.8/3.3/32V)						
High Voltage (1.8/5/32V)						
High Voltage (1.8/5/18/24/32/40V), BCD	V					
High Voltage (1.8/5/60/Vg1.8/5V), BCD						
High Voltage, BCD (Generation-2)	V	V	V	V	V	V
0.25 um: Part 1	Jul-6		Sep-5		Nov-2	
	TMIP84		TMIP85		TMIP86	
	Fab10		Fab3		Fab10	
	Jeff		Jeff		YW	
Logic, G (2.5/3.3V, 2.5/5V)	V		V		V	
Logic, G (2.5/3.3V, 2.5/5V), Embedded OTP			V			
Logic, G (2.5/3.3V), Embedded MTP			V			
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V		V		V	
Mixed-Signal, G (2.5/3.3V, 2.5/5V), Embedded OTP			V			
Mixed-Signal/RF, G (2.5/3.3V), Embedded MTP			V			
0.25 um: Part 2	Jul-20	Aug-24	Sep-28	Oct-19	Nov-16	Dec-21
	TMIQ07	TMIQ08	TMIQ09	TMIQ10	TMIQ11	TMIQ12
	Fab10	Fab8	Fab10	Fab10	Fab8	Fab10
	YW	YW	YW	YW	YW	YW
Logic, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/12/24/40V/Vg2.5/5V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/12/24/40/Vg2.5/5/12V)	V	V	V	V	V	V
High Voltage, BCD (2.5/5/60V/Vg 2.5/5V)						
High Voltage, BCD (2.5/5/12/24/40/60/Vg2.5/5/12V)						
High Voltage, Gen-2 BCD (2.5/5/7/12/20/24/40/45/60V/Vg 2.5/5/12V)						
0.35 um: Part 1	Jul-6		Sep-21		Nov-16	
	TMIP90		TMIP91		TMIP92	
	Fab10		Fab3		Fab10	
	YW		YW		Vincent	
Logic, G, Polycide/Silicide (3.3/5V)	V		V		V	
Mixed-Signal, G (3.3/5V)	V		V		V	
High Voltage, G, DDD (3.3/12/13.5)	V		V		V	
High Voltage, DDD (3.3/12/13.5/15/18V)	V				V	
High Voltage, BCD (3.3/20/23/Vg3.3V)			V			
High Voltage, BCD (3.3/5/12/15/20/40/Vg3.3/5/12V)			V			
0.35 um: Part 2		Aug-17			Nov-30	
		TMIP95			TMIP96	
		Fab3			Fab3	
		FK			FK	
SiGe BiCMOS, G (3.3V)		V			V	
0.5 um			Sep-7			Dec-28
			TMIP99			TMIQ19
			Fab3			Fab3
			Shirley			Howard
High Voltage, (5/20/450/600/700/800V)			V			V

* the calendar is Taiwan time

Please email cybershuttle@tsmc.com

Change History : chagne 0.152um shuttle TMIP44 from Fab5 to Fab10 and tape-in date from 10/4 to 10/12