2017 TSMC CyberShuttle Service Plan

Version: 1.2

Mar. 1, 2017

Shuttle Type (Technology)	Tape-In Date (TWN Time)/ TM # / Fab / Captain / Technology Availability											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
16 nm	Jan-10 TMIQ14 Fab14 Shirley		Mar-7 TMIQ15 Fab14 Lynn			Jun-6 TMIQ16 Fab14 CC		Aug-8 TMIQ17 Fab14 Lynn		Oct-17 TMIQ18 Fab14 Vincent		Dec-5 TMIQ67 Fab14 Jeff
Logic, Fin FET Compact (0.8/1.8V)	V		V			V		V		V		V
Logic, Fin FET Plus (0.8/1.8V)	V		V			V		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	Jul-19 TMIQ46 Fab15 Vincent	Aug-16 TMIQ47 Fab15 Jeff	Sep-20 TMIQ48 Fab15 Jerry	Oct-18 TMIQ49 Fab15 FK	Nov-15 TMIQ50 Fab15 Francis	Dec-20 TMIQ51 Fab15 Jerry
Logic, HPM (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, HP (0.85/1.8V, 0.85/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, LP (1.05/1.8V, 1.05/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, LP Plus (1.05/1.8V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, ULP (0.7/1.8V)	V		V		V		V		V		V	
Logic, HPL (1.0&1.8V, 1.0/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
RF HPC Plus (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
RF HPC (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
RF LP (1.05V/1.8V)	V	V	V	V	V	V	V	V	V	V	V	V
RF HPL (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V	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 Jeff	May-3 TMIQ24 Fab12 ZR	Jun-7 TMIQ25 Fab14 Shirley	Jul-5 TMIQ26 Fab14 ZR	Aug-9 TMIQ27 Fab12 Shirley	Sep-6 TMIQ28 Fab14 ZR	Oct-11 TMIQ29 Fab12 Shirley	Nov-8 TMIQ30 Fab12 CC	Dec-6 TMIQ31 Fab14 Lynn
Logic, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, 40LP Plus (1.1/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, 40ULP (1.1/2.5V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-Signal/RF, 40LP (1.1/1.8V, 1.1/2.5V)	V	V	V	V	V	V	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	V	V	V	V	V	V
Logic, 45GS (45GS = 40G) (0.9/1.8V, 0.9/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
High Voltage (1.1/5/6/25/32V)		V			V			V			V	
High Voltage (1.1/8/25V)								V			V	
EmbFlash, 40LP (1.1/2.5V)									V			V
EmbFlash, 40ULP (0.9V/2.5V)			V			V			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	Jul-19 TMIQ38 Fab14 FK	Aug-16 TMIQ39 Fab12 FK	Sep-13 TMIQ52 Fab14 FK	Oct-11 TMIQ53 Fab12 Francis	Nov-8 TMIQ54 Fab12 Jerry	Dec-13 TMIQ55 Fab14 FK
Logic, GP (1.0/1.8V, 1.0/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, LP (1.2/1.8V ,1.2/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, ULP (0.9V/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/1.8V, 1.2/ 2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed Signal/RF, ULP (0.9V/2.5V)	V		V	V		V	V	V	V	V	V	V
EmbFlash (1.2/2.5V)	V		V			V	V		V			V
EmbFlash, ULP (0.9&2.5V)	V		V			V	V		V			V
High Voltage (1.2/6/32V)		V			V			V		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	Jul-19 TMNH63 Fab14 Jerry	Aug-16 TMNH64 Fab12 Vincent	Sep-13 TMNH66 Fab14 Jeff	Oct-11 TMNH67 Fab12 Jerry	Nov-8 TMNH68 Fab12 Jeff	Dec-13 TMNH70 Fab14 Vincent
Logic, LP/DGO (1.2/2.5V,1.2/3.3V)	V	V	V	V	V	V	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	V	V	V	V	V	V
Logic, LP-based TGO (1.0/1.2/2.5V)		V			V			V		V	V	
Logic, ULP (1.0/2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-Signal/RF, GP(1.0/ 2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-Signal/RF, LP(1.2/ 2.5V)	V	V	V	V	V	V	V	V	V	V	V	V
80 nm				Apr-26 TMIQ56 Fab12 CC						Oct-31 TMIQ57 Fab12 Shirley		
Logic, GC (1.0/2.5V, 1.0/3.3V)				V						V		
Logic, High Performance (1.2/2.5V)				V						V		
Mixed-Signal, GC (1.0/2.5V, 1.0/3.3V)				V						V		
High Voltage (1.2/5/6/32V)				V						V		
85 nm			Mar-15 TMIQ58 Fab14 Howard						Sep-20 TMIQ59 Fab14 ZR			
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V)			V						V			
Logic, LP (1.2/2.5V, 1.2/3.3V)			V						V			
Logic, ULP (1.0/2.5V)									V			
Mixed-Signal/RF, LP (1.2/3.3V)			V						V			
90 nm	Jan-11 TMNH71 Fab14 Lynn		Mar-15 TMNH72 Fab14 CC		May-10 TMNH73 Fab14 Lynn		Jul-12 TMNH75 Fab12 Lynn		Sep-20 TMNH76 Fab14 Shirley		Nov-15 TMNH77 Fab14 Shirley	
Logic, G (1.0/1.8V, 1.0/2.5V, 1.0/3.3V, 1.0/1.8/3.3V)	V		V		V		V		V		V	
Logic, LP (1.2/2.5V, 1.2/3.3V)	V		V		V		V		V		V	
Logic, GT (High Performance) (1.2/2.5V)	V		V		V		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		V		V		V	
Mixed-Signal/RF, LP (1.2/2.5V, 1.2/3.3V)	V		V		V		V		V		V	
EmbFlash, LP (1.2/3.3V)	V				V				V		V	
0.11 um				Apr-5 TMNH69 Fab12 FK						Oct-11 TMNH74 Fab6 CC		
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										V		
Mixed-Signal, LP (1.2/3.3V), FSG, Hybrid										V		
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	Jul-26 TMNH87 Fab14 Jeff	Aug-9 TMNH88 Fab6 Jerry	Sep-20 TMNH89 Fab6 Vincent	Oct-11 TMNH90 Fab12 Jeff	Nov-15 TMNH91 Fab6 FK	Dec-6 TMNH92 Fab6 YW
Logic, G (1.2/2.5V,1.2/3.3V); FSG	V	V	V	V	V	V	V	V	V	V	V	V
Logic, LP (1.5/2.5V,1.5/3.3V); FSG	V	V	V	V	V	V	V	V	V	V	V	V
Logic, LV (1.0/2.5V,1.0/3.3V); FSG	V	V	V	V	V	V	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	V	V	V	V	V	V
Mixed-Signal, LP (1.5/3.3V); FSG		V	V		V	V	V	V	V		V	V
High Voltage, BCD (1.5/5/10/20/28/36V)	V	V	V	V	V	V	V	V	V	V	V	V
High Voltage, BCD (1.5/3.3/5/10/20/28/36V)	V	V	V	V	V	V	V	V	V	V	V	V
0.152um	Jan-17 TMNH93 Fab10 ZR										Nov-22 TMNH95 Fab10 Lynn	
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	Jan-4 TMNI01 Fab8 CC	Feb-8 TMNI02 Fab3 Lynn	Mar-8 TMNI03 Fab6 Shirley	Apr-12 TMNI04 Fab5 CC	May-10 TMNI05 Fab3 CC	Jun-7 TMNI06 Fab11 ZR	Jul-12 TMNI07 Fab8 Jeff	Aug-9 TMNI08 Fab3 ZR	Sep-6 TMNI09 Fab6 Shirley	Oct-18 TMNI10 Fab5 ZR	Nov-8 TMNI11 Fab3 Lynn	Dec-6 TMNI12 Fab11 Shirley
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP	V	V	V		V		V	V	V		V	
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)	V	V	V		V		V	V	V		V	
Mixed Signal, G, (1.8/5V)	V					V	V					V
Logic, G (1.8/3.3V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP	V	V	V		V		V	V	V		V	
Logic, LV (1.5/3.3V)		V	V	V	V	V		V	V	V	V	V
Logic, LP (1.8/3.3V)	V			V			V			V		
SiGe BiCMOS, G (1.8/3.3V)		V			V			V			V	
CMOS Image Sensor (1.8/3.3V)	V						V					

EmbFlash(1K,20K) (1.8/3.3V)						V						V
EmbFlash Enhanced (1.8/3.3V)						V						V
EmbFlash Enhanced (1.8/5V)						V						V
EmbFlash HDR (1.8/3.3V)						V						V
EmbFlash eLL(1.8/3.3V)												V
High Voltage (1.8/3.3/32V)												
High Voltage (1.8/5/32V)				V						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					V	V		
High Voltage, BCD (Generation-3)			V	V					V	V		
0.18 um: Part 2	Jan-17 TMNI20 Fab11 Howard	Feb-15 TMNI21 SSMC ZR	Mar-15 TMNI22 Fab8 ZR	Apr-19 TMNI23 SSMC ZR	May-17 TMNI24 Fab8 CC	Jun-14 TMNI25 SSMC Lynn	Jul-19 TMNI26 Fab11 Shirley	Aug-16 TMNI27 SSMC CC	Sep-13 TMNI28 Fab8 Lynn	Oct-25 TMNI29 SSMC Lynn	Nov-15 TMNI30 Fab8 Jeff	Dec-13 TMNI31 Fab10 CC
Mixed-Signal/RF, G (1.8/3.3V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP			V		V				V		V	V
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)			V		V				V		V	V
Mixed Signal, G, (1.8/5V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, G (1.8/3.3V)	V	V	V	V	V	V	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP			V		V				V		V	V
Logic, LV (1.5/3.3V)	V						V					
Logic, LP (1.8/3.3V)		V	V	V	V	V		V	V	V	V	
EmbFlash(1K, 20K) (1.8/3.3V)	V						V					
EmbFlash Enhanced (1.8/3.3V)	V			V			V			V		
EmbFlash Enhanced (1.8/5V)	V						V					
EmbFlash HDR (1.8/3.3V)	V						V					
EmbFlash eLL(1.8/3.3V)							V					
High Voltage (1.8/3.3/32V)			V		V				V		V	
High Voltage (1.8/5/32V)			V		V				V		V	
High Voltage (1.8/5/18/24/32/40V), BCD		V	V		V	V		V	V		V	
High Voltage (1.8/5/60/Vg1.8/5V), BCD			V		V				V		V	
High Voltage, BCD (Generation-2)		V	V		V	V		V	V		V	V
High Voltage, BCD (Generation-3)			V		V				V		V	V
0.18 um: Part 3		Feb-21 TMNI32 Fab6 Shirley	Mar-22 TMNI33 SSMC Jeff	Apr-26 TMNI34 Fab6 Lynn	May-23 TMNI35 Fab6 Lynn	Jun-21 TMNI36 Fab6 ZR	Jul-26 TMNI37 Fab6 CC	Aug-23 TMNI38 Fab6 Shirley	Sep-20 TMNI39 Fab10 CC	Oct-31 TMNH97 Fab6 CC	Nov-22 TMNH99 Fab6 CC	Dec-27 TMNI18 Fab6 CC
Mixed-Signal/RF, G (1.8/3.3V)		V	V	V	V	V	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded MTP		V		V	V	V	V	V	V	V	V	V
Mixed-signal/RF, G (1.8/3.3V) embedded OTP (Kilopass/eMemory)		V		V	V	V	V	V	V	V	V	V
Mixed Signal, G, (1.8/5V)			V						V			
Logic, G (1.8/3.3V)		V	V	V	V	V	V	V	V	V	V	V
Logic, G (1.8/3.3V), Embedded OTP/ MTP		V		V	V	V	V	V	V	V	V	V
Logic, LV (1.5/3.3V)		V		V	V	V	V	V		V	V	V
Logic, LP (1.8/3.3V)			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)												
High Voltage (1.8/5/32V)												
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		V	V	V		V		V
High Voltage, BCD (Generation-3)		V		V		V	V	V		V		V
0.25 um: Part 1	Jan-4 TMNI13 Fab10 YW		Mar-1 TMNI14 Fab3 Vincent		May-3 TMNI15 Fab3 YW		Jul-5 TMNI16 Fab10 YW		Sep-6 TMNI17 Fab3 Vincent		Nov-1 TMNH78 Fab10 YW	
Logic, G (2.5/3.3V, 2.5/5V)	V		V		V		V		V		V	
Logic, G (2.5/3.3V, 2.5/5V), Embedded OTP			V		V				V			
Logic, G (2.5/3.3V), Embedded MTP			V		V				V			
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V		V		V		V		V		V	
Mixed-Signal, G (2.5/3.3V, 2.5/5V), Embedded OTP			V		V				V			
Mixed-Signal/RF, G (2.5/3.3V), Embedded MTP			V		V				V			
0.25 um: Part 2	Jan-17 TMNI40 Fab10 YW	Feb-15 TMNI41 Fab8 FK	Mar-15 TMNI42 Fab10 YW	Apr-19 TMNI43 Fab10 YW	May-17 TMNI44 Fab10 YW	Jun-14 TMNI45 Fab8 YW	Jul-19 TMNI46 Fab10 YW	Aug-23 TMNI47 Fab8 Jerry	Sep-27 TMNI48 Fab10 YW	Oct-18 TMNI49 Fab10 YW	Nov-29 TMNI50 Fab8 Vincent	Dec-27 TMNI51 Fab10 YW
Logic, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V	V	V	V	V	V	V
Mixed-Signal/RF, G (2.5/3.3V, 2.5/5V)	V	V	V	V	V	V	V	V	V	V	V	V
High Voltage, BCD (2.5/5/12/24/40V/Vg2.5/5V)	V	V	V	V	V	V	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	V	V	V	V	V	V
High Voltage, BCD (2.5/5/60V/Vg 2.5/5V)		V				V		V			V	
High Voltage, BCD (2.5/5/12/24/40/60/Vg2.5/5/12V)		V				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	V	V		V	V	
0.35 um: Part 1	Jan-11 TMNI60 Fab10 Francis		Mar-22 TMNI61 Fab3 FK		May-10 TMNI62 Fab10 Francis		Jul-12 TMNI63 Fab10 Francis		Sep-13 TMNI64 Fab3 YW		Nov-15 TMNI65 Fab10 YW	
Logic, G, Polycide/Silicide (3.3/5V)	V		V		V		V		V		V	
Mixed-Signal, G (3.3/5V)	V		V		V		V		V		V	
High Voltage, G, DDD (3.3/12/13.5)	V		V		V		V		V		V	
High Voltage, DDD (3.3/12/13.5/15/18V)	V				V		V				V	
High Voltage, BCD (3.3/20/23/Vg3.3V)			V						V			
High Voltage, BCD (3.3/5/12/15/20/40/Vg3.3/5/12V)			V						V			
0.35 um: Part 2		Feb-8 TMNI52 Fab3 YW			May-31 TMNI53 Fab3 Francis			Aug-16 TMNI54 Fab3 YW			Nov-29 TMNI55 Fab3 Jerry	
SiGe BiCMOS, G (3.3V)		V			V			V			V	
0.5 um: Part 1			Mar-28 TMNI56 Fab3 Shirley			Jun-28 TMNI57 Fab3 Lynn			Sep-28 TMNI58 Fab3 Lynn			Dec-13 TMNI59 Fab3 Francis
High Voltage, (5/20/450/600/700/800V)			V			V			V			V
0.5 um: Part 2			Mar-28 TMNH65 Fab2 CC			Jun-21 TMNH79 Fab2 Shirley			Sep-6 TMNH84 Fab2 CC			Dec-27 TMNH94 Fab2 Shirley
High Voltage, GaN (650V)			V			V			V			V

* the calendar is Taiwan time

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Change History :