



# SUPPLIER CAPACITY ANALYSIS REPORT

## A. New Model Required OEE - Date of Study

<b>A1) Supplier &amp; Part Information</b>	<b>A2) Capacity Requirements</b>	<b>A3) Key Contacts</b>												
Supplier Name Location/Site Code Part Name Part Number	Date of Study: 00.01.1900 <table border="1" style="display: inline-table; margin-left: 20px;"> <tr><td>&lt;PA&gt; Requirements</td><td>APW</td><td>MPW</td></tr> <tr><td>Revised Requirements</td><td>0</td><td>0</td></tr> </table>	<PA> Requirements	APW	MPW	Revised Requirements	0	0	Supplier Contact: Methode STA <table border="1" style="display: inline-table; margin-left: 20px;"> <tr><th>Name</th><th>Phone #</th><th>Email</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	Name	Phone #	Email			
<PA> Requirements	APW	MPW												
Revised Requirements	0	0												
Name	Phone #	Email												

**Supplier Capacity Requirements** Supplier to demonstrate APW of \_\_\_\_\_ parts per week operating no more than 5 days per week  
 Supplier to demonstrate MPW of 0 parts per week operating no more than 6 days per week

## A4 - A6. Machine Capacity - To be filled in at APQP (Industrialisation) phase

A4 Planned Departmental Operating Pattern & Net Available Time	Process 1		Process 2		Process 3		Process 4		Process 5		Process 6		Process 7		Process 8	
	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan
A Process description (in value stream order)																
B Days / Week																
C Shifts / Day																
D Total Hours / Shift																
E Contractual Planned Downtime (minutes/shift) - breaks, lunch etc.																
F Allocation Percent per week (enter 100 for dedicated)																
G Net Available Time (hours / week)																
G1 Planned Minutes per Changeover (into this part #)																
G2 Planned Changeover Frequency / Week (into this part #)																

<b>A5) Required Good Parts / Week</b>																
H Percent of parts scrapped	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan
J Req'd Good Parts / Week to Support Next Process [Process 1 Req'd Parts = Process 2 Req'd Parts / (100% - Process 2 Scrap%)]	0.0%															
	Avg. Weekly	Max Weekly														

<b>A6) Required OEE</b>																
K Ideal Cycle Time per Tool or Machine (sec/cycle)	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan	APW Plan	MPW Plan
L # of Tools or Machines in parallel																
M # of identical parts produced per Tool or Machine Cycle																
N Net Ideal Cycle Time (sec/part)																
P Theoretical Parts per week at 100% OEE [G x 3600 / N]																
Q Required OEE [J / P]																
R Percent of parts reworked (re-run through process)																
S Can process contain its changeover, scrap & rework assumptions? [Is																
T % Remaining for Availability & Performance Efficiency losses																
Enter any other assumptions for clarification																

## B. Supplier Demonstrated OEE - Phase 3 PPAP (Capacity Verification) - To be filled in by supplier on PPAP submission or Methode STA on site

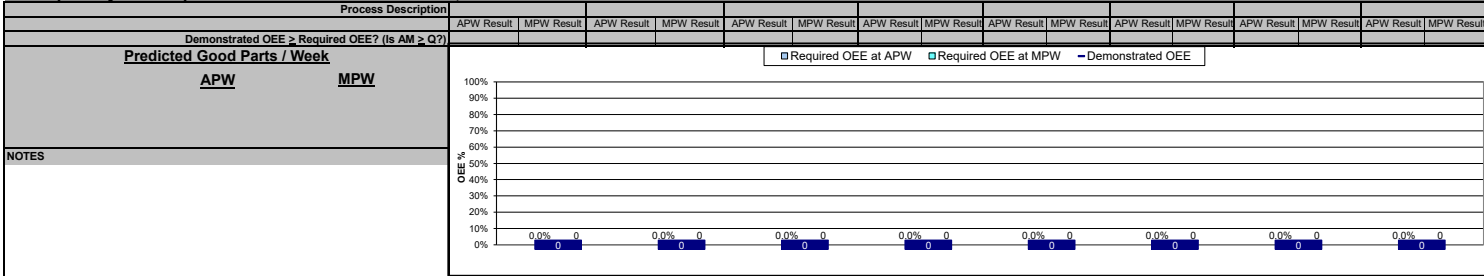
<b>B1) Equipment Availability</b>																
V Total Available Time (Include ACTUAL changeover time for Shared)																
W Planned Downtime - lunches/breaks/mtgs. (minutes)																
X Net Available Time (minutes) [V - W]																
Y Shared Equip Changeover Time ACTUAL (minutes)																
Z Shared Equip Changeover Time Weekly Scaled (minutes)																
AB Observed Unplanned Downtime (minutes)																
AC Operating Time (minutes) [X - Y - AB]																
AD Equipment Availability [(X - Z - AB) / X * 100]																

<b>B2) Performance Efficiency</b>																
AE Total Parts Produced (Good, Scrapped, & Reworked)																
AF Net Ideal Cycle Time (seconds/part) [N]																
AG Performance Efficiency (AE * AF / AC)																
AH "Availability" and/or "Performance Efficiency" Losses Not Captured																

<b>B3) Quality Rate</b>																
AJ # Parts Scrapped	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
AK # Parts Reworked																
AL Quality Rate [(AE - AJ - AK) / AE]																

<b>B4) Overall Equipment Effectiveness (OEE)</b>																
AM Phase 3 OEE [AD * AG * AL]																
<b>B5) Process Specific Weekly Part Estimate [P * AM]</b>																
<b>B6) Observed Average Cycle Time (sec/cycle)</b>																

## C. Gap Analysis - Required OEE vs. Demonstrated OEE; Predicted Good Parts / Week



SUPPLIER OPERATION MANAGEMENT APPROVAL			FOR METHODE ELECTRONICS STA USE			Approved <input type="radio"/> Rejected <input type="radio"/>
Authorized Representative Name / Title	E-mail Address		STA Name	E-mail Address		
Signature	Phone Number	Date	Signature	Phone Number	Date	