



# Use of Ford APQP Status Report

Tong Lei  
Supplier Technical Assistance  
Ford Motor Company



# Use of Ford APQP Status Report

- APQP Overview
- Introduction to Ford APQP Status Reporting System
- How to use Ford APQP Status Reporting System
- Q&A

# [ APQP Overview ]

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- APQP is a structured method for guiding an organization to execute the necessary actions to ensure that the product satisfies the customers.
- APQP is a **supplier-led** program that is applicable for all systems, subsystems and components levels.

# [ APQP Overview- The Goal of APQP ]

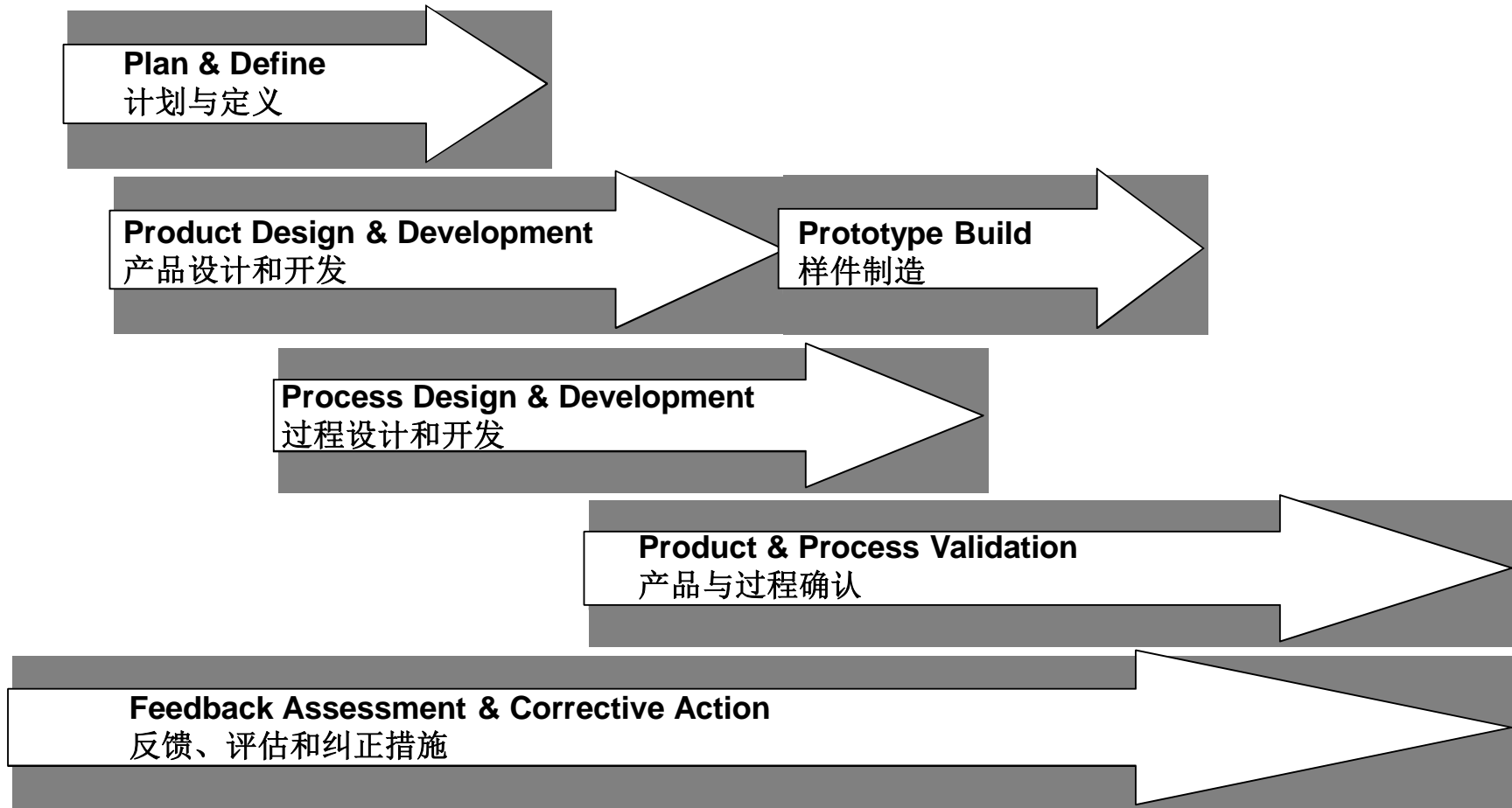
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- The goal of APQP is to facilitate communication between all involved personnel and disciplines in a program by completing all required steps on time, at acceptable cost and quality levels. Flawless product launch will result.

# [ Elements of APQP (AIAG) ]

- 19 are from the AIAG APQP and Control Plan manual.
  - Design FMEA
  - Design Verification Plan & Report
  - Prototype Build Control Plan
  - Manufacturing Process Flow Chart
  - Process FMEA
  - Pre-Launch Control Plan
  - Operation Process Instructions
  - Production Control Plan
  - Design & Mfg. Review(s)
  - Facilities / Tools / Gauges
  - Prototype Builds
  - Drawings and Specifications
  - Team Feasibility Commitment
  - Measurement Systems Evaluation
  - Packaging Specifications
  - Production Trial Run
  - Preliminary Process Capability Study
  - Production Validation Testing
  - Production Part Approval (PSW)

# [ AIAG APQP Timing Chart ]



# [ Ford APQP Status Reporting System ]

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- An improvement of the AIAG APQP system.
- Four additional elements
- Elements start and finish are tied to program milestones.

# [ Purpose of APQP Status Report ]

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Establishing:

- Common APQP expectations for internal and external suppliers to Ford Motor Company
- Common APQP process metrics
- A common program status reporting format
- Roles and responsibilities for those involved in APQP element implementation.



# [ Ford APQP Status Reporting System ]

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- 23 elements.
  - 19 elements from AIAG APQP, plus
  - 4 Ford unique elements. They are:
    - Sourcing Decision
    - Customer Input Requirements
    - Subcontractor APQP Status
    - Craftsmanship

# [ Approach of Ford APQP ]

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- This status reporting guideline describes **23 key APQP elements**.
- Ford Motor Company expectations are defined for these key elements in definitions, and detailed checklists.
- The status for these elements is summarized using metrics described in the Reporting section.
- This status reporting guideline is written **from a supplier standpoint**.

# [ The Applicability of Ford APQP ]

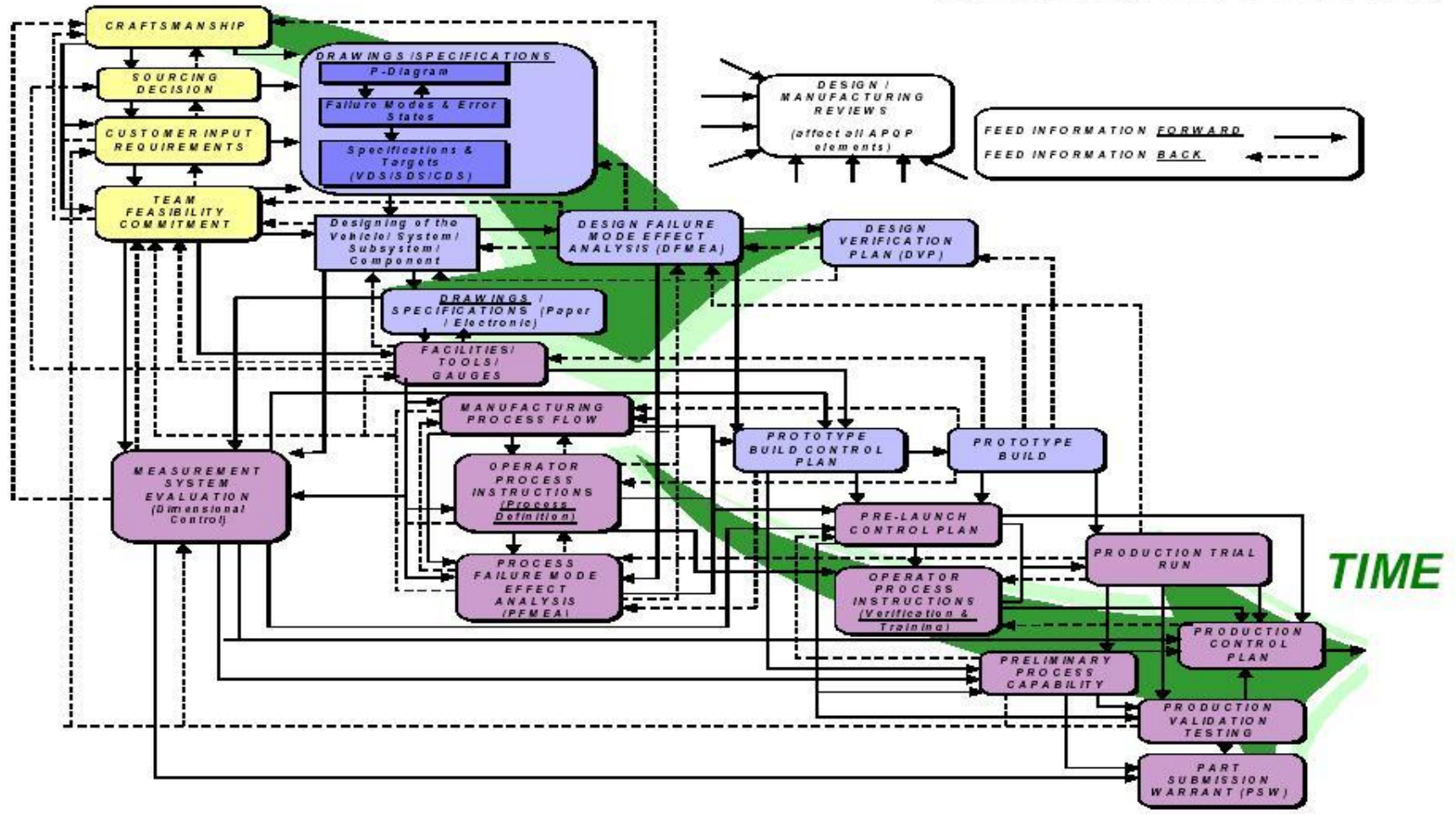
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- APQP status reporting is a requirement of all internal and **external** suppliers to Ford
- APQP must be done for new programs/parts and **major part changes** as appropriate.

# APQP Process Flow

## APQP Process Flow Map

## APQP PROCESS FLOW



## [ The APQP Process includes 5 main functions: ]

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1. Planning of the APQP elements
2. Execution of the APQP elements
3. Monitoring the "Quality-of-Event" of the execution of the elements, as well as the timing, by the team in-between milestones
4. Issues Resolution
5. Status Reporting (minimum at each milestones)




## Use of Ford APQP Status Report

- How to use Ford APQP Status Report for Emerging Market Re-sourcing Programs.

# Backgrounds of APQP for Emerging Market Re-sourcing Programs --- Ford APQP v3.2

- Ford APQP Status Report v3.2 is one Excel file with 26 work sheets.
  - 2 Summary sheets
    - 1) APQP Status Report (linked)
    - 2) APQP Status Report (manual)
  - 1 Information sheet
  - 23 worksheets for 23 Ford APQP elements. One sheet for each element.
- Ford APQP Status Report v3.2 uses milestones from Ford FPDS – Ford Product Development System.

# Backgrounds of APQP for Emerging Market Re-sourcing Programs --- Ford APQP v3.2

 Advanced Product Quality Planning Status Report													NOTES	
3	Supplier/Org:				Program:				Part Name:				<< Enter	
4	Location:				Model Year:				Part Number:					
5	Supplier Code:				FPDS Milestone:				Notice Level:					
6	Contact Name/Tel:				Review Date:				User Plant:					
8														
9	<b>FPDS MILESTONE</b>	<S>	<SC>	<PH>	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(J1)	<FS>	<< These Milest
10	<b>APOP ELEMENT</b>	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	www.ford.com	
11	1. Sourcing Decision													
12	2. Customer Input Requirements													
13	3. Craftsmanship													
14	4. Design FMEA													
15	5. Design/Manufacturing Review(s)													
16	6. Design Verification Plan & Report													
17	7. Subcontractor APQP Status													
18	8. Facilities, Tools & Gages													
19	9. Prototype Build Control Plan													
20	10. Prototype Build(s)													
21	11. Drawings & Specifications													
22	12. Team Feasibility Commitment													
23	13. Manufacturing Process Flowchart													
24	14. Process FMEA													
25	15. Measurement Systems Evaluation													
26	16. Pre-Launch Control Plan													
27	17. Operator Process Instructions													
28	18. Packaging Specifications													



# [ Backgrounds of APQP for Emerging Market Re-sourcing Programs --- FPDS ]

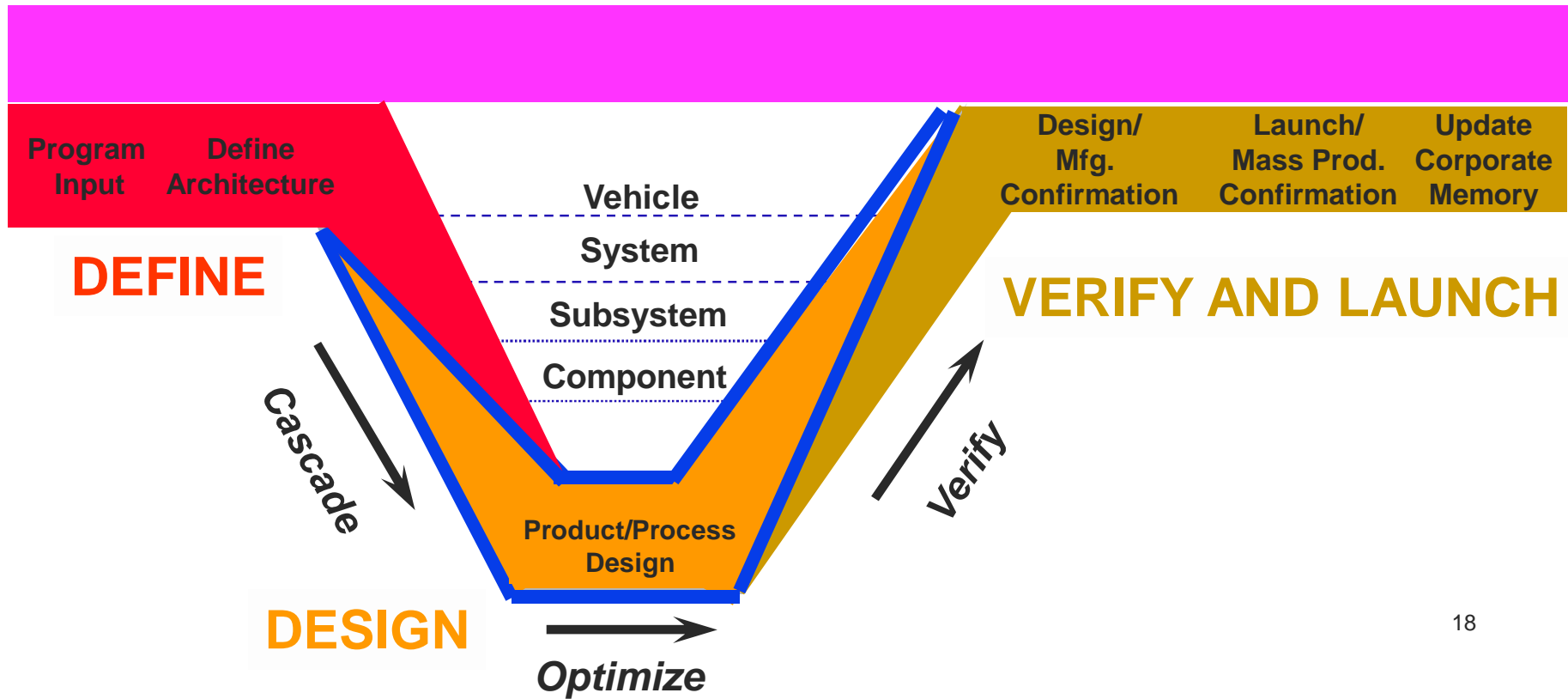
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- FPDS – Ford Product Development System
  - Ford uses FPDS to Plan, Design, Develop and Launch new vehicles.
  - Championed by Ford PD.
  - Contains 15 milestones. 12 of them are used in Ford APQP Status Report v3.2.

# [ FPDS ]



## MANAGE



# [ FPDS – Definitions 15 Milestones ]

- <KO> – Kick-Off (The beginning of program specific work)
- <PS1> – Pre<SI>#1 (Mission/vision & target customers defined)
- <PS2> – Pre<SI>#2 (Target ranges assessed)
- <SI> – Strategic Intent (Initial program direction established)
- <SC> – Strategic Confirmation (Teams confirms strategy/viability)
- <PH> – Proportions & Handpoints (Vehicle proportion frozen)
- <PA> – Program Approval (All targets become objectives)
- (ST) – Surface Transfer (Interior/exterior surface provided)
- <PR> – Product Readiness (Designs ready for CP builds)
- (CP) – Confirmation Prototype (First CP vehicle available)

# [ FPDS – Definitions 15 Milestones (cont'd) ]

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- <CC> – Change Cut-Off (Commitment to Job #1 timing)
- <LR> – Launch Readiness (Engineering Sign-off complete)
- <LS> – Launch Sign-Off (Ready to Launch)
- <J1> – Job #1 Achieved (Start Production)
- <FS> – Final Status

# [ Backgrounds of APQP for Emerging Market Re-sourcing Programs --- EMLP ]

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- EMLP – Emerging Market Launch Plan
  - Developed to track status of Emerging Market re-sourcing programs within Ford.
  - Championed by Ford EMS PD.



# [ Backgrounds --- EMLP (cont'd) ]

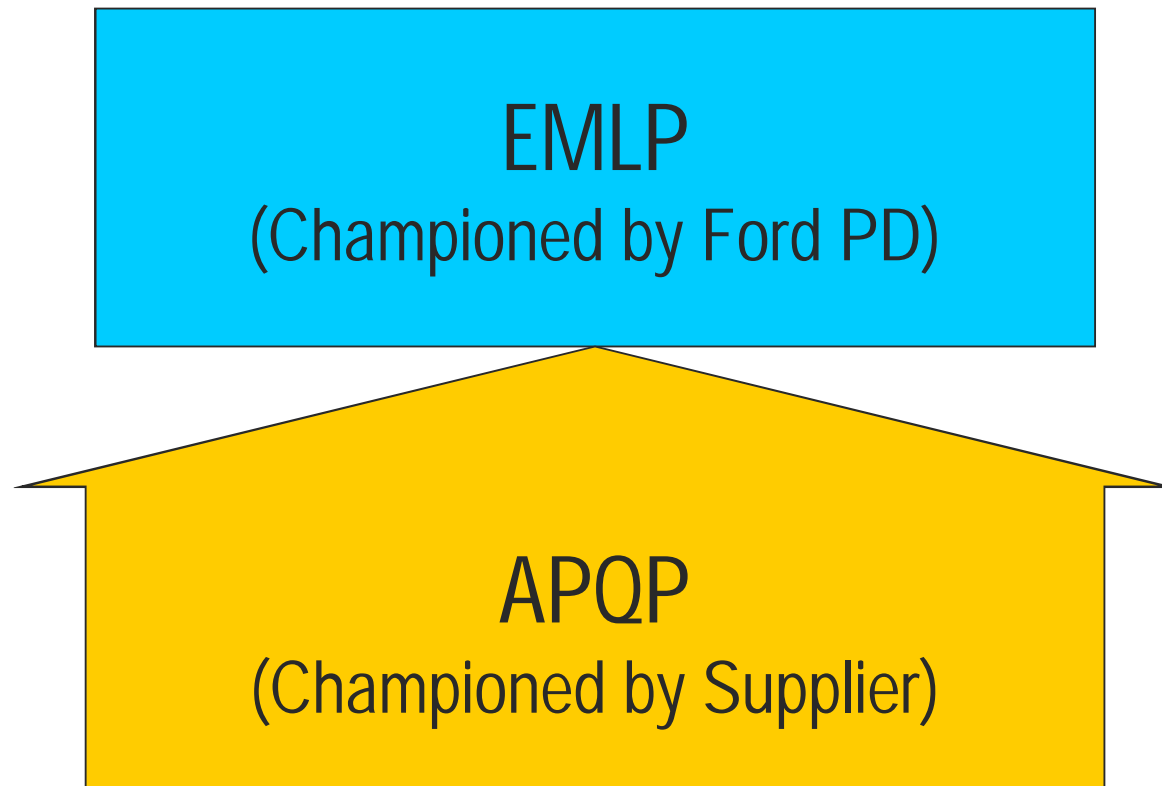
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- EMLP – Emerging Market Launch Plan
  - 7 milestones, from program approval to part arrival at Ford receiving plant.
    - GSSM+2W – GSSM+2 weeks. EMLP kick-off; issue sourcing agreement.
    - PR – Product Readiness. 2D drwgs/3D model/DFMEA received by supplier.
    - CP – Confirmation Prototype. Prototype parts built; “DV” test started.
    - ESO – Engineering Sign Off. “DV” test completed;
    - PSW/LS – PSW/Launch Sign. PSW and functional sign-off completed.
    - SJ1 – Supplier Job 1. Supplier ships out first production shipment.
    - IPD – In Plant Date. Parts received at Ford plant(s).

[ Two Systems, One Objective  
→ Flawless Launch!! ]

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APQP feeds EMLP




# [ APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2 ]

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- APQP for EM Re-sourcing uses 7 EMLP milestones (for re-sourcing programs);
- APQP v3.2 uses 12 FPDS milestones (for new programs).



# APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2

  
Advanced Product Quality Planning for  
Status Report

Supplier/Org: \_\_\_\_\_ Program: \_\_\_\_\_  
 Location: \_\_\_\_\_ Model Year: \_\_\_\_\_  
 Supplier Code: \_\_\_\_\_ EMLP/FPDS Milestone: \_\_\_\_\_ Notice Level: \_\_\_\_\_  
 Contact Name/Tel: \_\_\_\_\_ Review Date: \_\_\_\_\_ User Plant: \_\_\_\_\_

APQP ELEMENT	FPDS-MILESTONE	<SI>	<SC>	<PH>	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(J1)	<FS>
	EMLP MILESTONE	n/a	n/a	n/a	GSSM+2	n/a	<PR>	(CP)	ESO	PSW/LS	SJ1	IPD	
		n/a	n/a	n/a	01-一月-05	n/a	01-二月-05	01-三月-05	n/a	01-四月-05	01-五月-05	01-六月-05	01-七月-05
1. Sourcing Decision													
2. Customer Input Requirements													
3. Craftmanship					n/a		n/a	n/a		n/a	n/a	n/a	n/a
4. Design FMEA													
5. Design/Manufacturing Review (s)													
6. Design Verification Plan & Report													
7. Subcontractor PSW Status													
8. Facilities, Tools & Gages													
9. Prototype Build Control Plan													
10. Prototype Build(s)													
11. Drawings & Specifications													
12. Team Feasibility Commitment													
13. Manufacturing Process Flow chart													
14. Process FMEA													
15. Measurement Systems Evaluation													
16. Pre-Launch Control Plan													
17. Operator Process Instructions													
18. Packaging Specifications													
19. Production Trial Run													
20. Production Control Plan													
21. Preliminary Process Capability Study													
22. Production Validation Testing													
23. Part Submission Warrant (PSW)													
<b>OVERALL APQP STATUS RATING (GYR)</b>													

**FPDS Milestones Remain for Reference**

**EMLP Milestones Added**

# [ APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2 ]

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- APQP for EM Re-sourcing uses 7 EMLP milestones (for re-sourcing programs); APQP v3.2 uses 12 FPDS milestones (for new programs).
- APQP for EM eliminates New Program specific requirements, which are not required for Re-sourcing Programs, from APQP v3.2. Maintains original APQP requirements as guideline.

# APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2

## APQP Element Rating Checklist

### 5. Design / Manufacturing Reviews

Item	Program Timing	Supplier Timing	Expectations (Resourced Programs)	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(J)	<FS>	Original APQP Expectation
Item	Start Actual	Finish Actual	Expectations (Resourced Programs)	GSSM +2W	X	<PR>	(CP)	X	ESO	PSW <LS>	SJ1	IPD	Original APQP Expectation
6.	dd/mm/yy	dd/mm/yy	Does not apply to resourced programs										Participate in appearance and clay reviews, as appropriate.
7.	dd/mm/yy	dd/mm/yy	Ensure that the Reviews contain data reviews of documents including FMEA's, DVP&R, Government Regulations, Control Plans, etc., with an emphasis on a Quality-Of-Event for each phase of the design and manufacturing process.										Ensure that the Reviews contain data reviews of documents including FMEA's, DVP&R, Government Regulations, Control Plans, etc., with an emphasis on a Quality-Of-Event for each phase of the design and manufacturing process.
8.	dd/mm/yy	dd/mm/yy	Does not apply to resourced programs										Ensure that Government Regulations (e.g. stop ships, recalls, etc.) and Campaign issues are reviewed.
9.	dd/mm/yy	dd/mm/yy	Does not apply to resourced programs										Ensure that Serviceability and Repairability concerns are reviewed.
10.	dd/mm/yy	dd/mm/yy	Ensure that concerns involving Material Handling, Material Planning & Logistics (MP&L), and Global Logistics concerns are reviewed during the meetings.										Ensure that concerns involving Material Handling, Packaging Engineering (PE), Material Planning & Logistics (MP&L), Synchronous Material Flow (SMF), and Global Logistics concerns are reviewed during the meetings.
11.	dd/mm/yy	dd/mm/yy	Ensure that Cost concerns are reviewed.										Ensure that Cost concerns are reviewed.
12.	dd/mm/yy	dd/mm/yy	Ensure that issues are tracked and assignments are made to work on and resolve any open issues between reviews.										Ensure that issues are tracked and assignments are made to work on and resolve any open issues between reviews.
Other													
Overall	dd/mm/yy	dd/mm/yy	Team's <u>Overall Rating</u> of this Element ( G/Y/R )		X			X					

Eliminates New Program specific requirements

Maintains original APQP requirements as guideline

# [ APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2 ]

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- APQP for EM Re-sourcing uses 7 EMLP milestones (for re-sourcing programs); APQP v3.2 uses 12 FPDS milestones (for new programs).
- APQP for EM eliminates New Program specific requirements, which are not required for Re-sourcing Programs, from APQP v3.2. Maintains original APQP requirements as guideline.
- Checklist includes additional EMLP unique Supplier responsible requirements for the 23 elements. (At bottom of the checklist for each element.)

# APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2

## APQP Element Rating Checklist 11. Drawings and Specifications: Design Information

The Drawings & Specifications element is an evaluation of the development of Targets and Specifications as they defined to be input to the design process (e.g. VDS/SDS/CDS), and to the Drawings (including all engineering dra CAD data, material specifications and engineering specifications.)

Item	Start Target	Finish Target	Program Timing	Supplier Timing	Expectations (Resourced Programs)	<SI>	<SC>	<PH>	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(J1)
Item	Start Target	Finish Target	Start Actual	Finish Actual	Expectations (Resourced Programs)	X	X	X	GSSM +2W	X	<PR>	(CP)	X	ESO	PSW <LS>	SJ1
8.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Identify reference dimensions to minimize inspection layout time.											
9.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Identify sufficient control points and datum surfaces to design functional gages and test equipment.											
10.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Ensure tolerances and part specifications are compatible with accepted manufacturing standards for gauges and equipment.											
11.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Identify any specified using known inspect											
12.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	<b>MATERIAL SPECIE</b> Identify special mater temperature, humidity											
13.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Consider material characteristi handling, storage requirements, and affect to environment.											
EMLP 11.1	KO	PR	dd/mm/yy	dd/mm/yy	Supplier to confirm purchasing has explained E-108 Branding Policy, and confirm with PD that the drawing reflects this policy requirement.											
Other																
Overall	KO	PR	dd/mm/yy	dd/mm/yy	Team's <b>Overall Rating of this Element ( G/Y/R )</b>	X	X	X		X			X			

Additional EMLP unique Supplier responsible requirements

# [ APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2 ]

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- APQP for EM Re-sourcing uses 7 EMLP milestones (for re-sourcing programs); APQP v3.2 uses 12 FPDS milestones (for new programs).
- APQP for EM eliminates New Program specific requirements, which are not required for Re-sourcing Programs, from APQP v3.2. Maintains original APQP requirements as guideline.
- Checklist includes additional EMLP unique Supplier responsible requirements for the 23 elements. (At bottom of the checklist for each element.)
- Worksheet of “Action Plan” has been added to APQP for EM, to reduce “copies and pastes” of action plans from 23 elements to the summary sheet.

# APQP for Emerging Market Re-sourcing vs. Ford APQP v3.2

Advanced Product Quality Planning for EM Resourcing Status Report - Action Plan																	
Supplier/Org:		Program:				Part Name:											
Location:		Model Year:				Part Number:											
Supplier Code:		EMLP/FPDS Milestone:				Notice Level:											
Contact Name/Tel:		Review Date:				User Plant:											
Element #	Item #	Responsibility		Timing		Issues / Comments / Risks (R & Y issues from 23 elements)	Corrective Actions / Resolution Plan										
		Ford	Supplier	Open	Close												
10																	
11																	
12																	
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37																	

Sheet of "Action Plan" has been added.

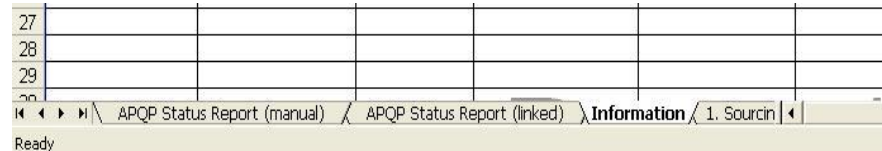
# [ APQP for Emerging Market Re-sourcing ] vs. Ford APQP v3.2

- APQP for EM Re-sourcing uses 7 EMLP milestones (for re-sourcing programs); APQP v3.2 uses 12 FPDS milestones (for new programs).
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- Checklist includes additional EMLP unique Supplier responsible requirements for the 23 elements. (At bottom of the checklist for each element.)
- Worksheet of "Action Plan" has been added to APQP for EM, to reduce "copies and pastes" of action plans from 23 elements to the summary sheet.
- For forward model (new) programs, Ford APQP v3.2 should be used.



# Complete APQP Status Report – For EM Re-sourcing programs

## 1. Complete Information Sheet



INFORMATION WORKSHEET - APQP STATUS REPORTING FOR EMLP RESOURCING													
<b>PROGRAM INFORMATION</b> (dates will show up on linked APQP Status Report and individual checklists)													
FPDS MILESTONES	<KO>	<SI>	<SC>	<PH>	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(J1)	<FS>
EMLP MILESTONES	<KO>				GSSM+2		<PR>	(CP)		ESO	PSW<LS>	SJ1	IPD
Enter Actual Dates >>	15-十二月-04	n/a	n/a	n/a	01-一月-05	n/a	01-二月-05	01-三月-05	n/a	01-四月-05	01-五月-05	01-六月-05	#####
<b>PART INFO &amp; PSW COMMITMENT</b>				<b>CAPACITY REQUIREMENTS</b>				<b>RUN-AT-RATE INFO</b>					
Part Number	Part Description	Notice Level		Run @Rate	Duration	Quantity	# Parts/Hr	%	Pass				
High Impact Supplier ? : yes/no				<b>RISK INFORMATION / SITE TECHNOLOGY, PROCESS</b>									
Risk 1	Description of Risk 1			Plan to address Risk 1									
Risk 2	Description of Risk 2			Plan to address Risk 2									
Risk 3	Description of Risk 3			Plan to address Risk 3									
<b>TEAM INFORMATION</b>													
Team Members	Company / Role	Fax#	Email	Remarks									
	Supplier Exec Champion												
	Ford Exec Champion												
<b>BUILD EVENT INFORMATION - PROTOTYPE (DV)</b>							<b>INFORMATION - PRODUCTION (PV)</b>						
Build Event	QTY	MRD	# SCs				QTY	MRD	# SCs	# CCs			
<b>LOG OF CHANGE / SUPPLEMENTAL NOTES for STATUS REPORT</b>													
Element / Item	Description of Change/Item									Date of Change/Item			

Input Part Number and PPAP information.

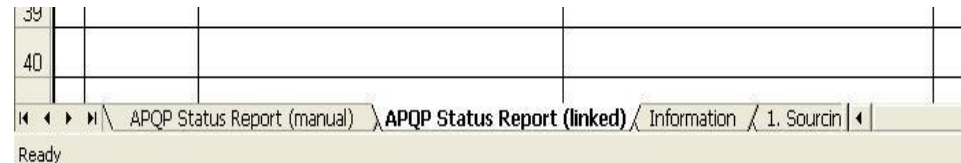
Input milestone dates. Should be same as timing plan.


Input team information, for both supplier and Ford.

Input program change history, if any.

# [ Complete APQP Status Report – For EM Re-sourcing programs -- continue ]

2. Complete Program Information on sheet of "APQP Status Report (linked)".



													
<h2>Advanced Product Quality Planning for EM Resourcing Status Report</h2>													
Supplier/Org:	ABC	Program:	EN/FN	Part Name:	Camshaft								
Location:	China	Model Year:	2006	Part Number:	ABAB-9922-AB								
Supplier Code:	DDZZA	EMLP/FPDS Milestone:	PR	Notice Level:	XXXXXXXXXX								
Contact Name/Tel:	Tom/021-23452345	Review Date:	7-20-2004	User Plant:	Lima Engine Plant								
FPDS MILESTONE		<SI>	<SC>	<PH>	<PA>	(ST)	<PR>	(CP)	<CG>	<LR>	<LS>	(J1)	<FS>

# [ Complete APQP Status Report – For EM Re-sourcing programs -- continue ]

## 3. Review status of 23 elements.

Next slide uses status review of element 11,  
drawing and specs, at PR as an example.

15	9.	SI	PR	00/mm/yy	00/mm/yy	functional gages and test equipment.				
	10.	KO	PR	dd/mm/yy	dd/mm/yy	Ehnsure tolerances and part specifications are compatible with				
9. Proto Build Control Plan / 10. Prototype Build / <b>11. Drawings &amp; Specifications</b> / 12. Team Feasibility Commitment										
Ready										

# Sample Check sheet at PR

Ford Motor Co.

## APQP Element Rating Checklist

### 11. Drawings and Specifications: Design Information

This element is an evaluation of the development of Targets and Specifications as they design process (e.g. VDS/SDS/CDS), and to the Drawings (including all engineering dra

Item	Start Target	Finish Target	Program Start Actual	Supplier Finish Actual	Expectations (Resourced Programs)	<SI>	<SC>	<PA>	(ST)	<PR>	(CP)	<CC>	<LR>	<LS>	(JI)
Item	Start Target	Finish Target	Start Actual	Finish Actual	Expectations (Resourced Programs)			GSSM +2W		<PR>	(CP)		ESO	PSW <LS>	SJ1
1.	KO SI	--	dd/mm/yy	dd/mm/yy	There are NO major Drawings and Specification issues/inhibitors, that in the foreseeable future			G		G					
2.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Define the cross-functional Drawings, Specifications, Engineering, process			Y		G					
3.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Define the cross-functional Drawings, Specifications, Engineering, process			Y		Y					
4.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Define the cross-functional Drawings, Specifications, Engineering, process			N/A		N/A					
12.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	<b>MATERIAL SPECIFICATIONS</b> Identify special material characteristics, (e.g. affected by temperature, humidity, etc.)			G		G					
13.	KO SI	PR PR	dd/mm/yy	dd/mm/yy	Consider material characteristics to minimize handling, storage requirements, and affect to/from the environment.										
EMLP 11.1	KO	PR	dd/mm/yy	dd/mm/yy	Supplier to confirm Purchasing has explained E-108 Branding Policy, and confirm with PD that the drawing reflects this policy requirement.			Y		Y					
Other															
Overall	KO	PR	dd/mm/yy	dd/mm/yy	<b>Team's Overall</b>			Y		Y					

Prior Milestone Status is Frozen

If R or Y, this issue requires corrective action

Input actual start and finish dates for each expectation.

Status Can be updated continuously until Milestone Date is met

Light Gray shaded cells: Review expectation at these milestones.

Overall status is worst rating of all expectations. Manual input is NOT required.

If R or Y, review at next milestone (until it's G), even if "Finish Target" date is passed.

**Instructions:** Consider status of Expectations and then enter Overall Rating based on the Expectations that should be complete at the milestone. If a particular "Expectations" item is not applicable, enter "N/A". Actions/Tasks to satisfy an Expectation may need to be IN PROGRESS before they become due. Teams may enter "% complete", or similar rating, for their own use in tracking.

Record identified issue and corrective action here.


Item	Ford	Supplier	Open	Close	Issues / Comments / Risks	Corrective Actions / Resolution Plan
3	Ford PD		04-五月-01		3D Cad Master model is incomplete	Ford PD will complete model by CP

# [ Rating and Assessment – G/Y/R Status ]

Risk	Color	Definition
High	Red	Target dates and/or deliverables are at risk. A recovery work plan is not available and/or implemented, or the work plan does not achieve program targets.
Moderate	Yellow	Target dates and/or deliverables are at risk, but a resourced recovery work plan has been developed to achieve program targets, and has been approved by the appropriate Management Team.
Low	Green	Target dates and deliverables are on track and meeting objectives.

# Complete APQP Status Report – For EM Re-sourcing programs -- continue

4. Complete the summary sheet on "APQP Status Report (linked)".

 Advanced Product Quality Planning for EM Resourcing Status Report													
Supplier/Org: <b>ABC</b>			Program: <b>EN/FN</b>			Part Name: <b>Camshaft</b>							
Location: <b>China</b>			Model Year: <b>2006</b>			Part Number: <b>ABAB-9922-AB</b>							
Supplier Code: <b>DDZZA</b>			EMLP/FPDS Milestone: <b>PR</b>			Notice Level: <b>XXXXXXXXXX</b>							
Contact Name/Tel: <b>Tom/021-23452345</b>			Review Date: <b>7-20-2004</b>			User Plant: <b>Lima Engine Plant</b>							
APQP ELEMENT	FPDS MILESTONE	<<SI>>	<<SC>>	<<PH>>	<<PA>>	(ST)	<<PR>>	(CP)	<<CC>>	<<LR>>	<<LS>>	(J1)	<<FS>>
	EMLP MILESTONE				GSSM+2		<<PR>>	(CP)		ESO	PSW/LS	SJ1	IPD
		n/a	n/a	n/a	01-一月-05	n/a	01-二月-05	01-三月-05	n/a	01-四月-05	01-五月-05	01-六月-05	01-七月-05
1. Sourcing Decision					G								
2. Customer Input Requirements					Y		G						
3. Craftsmanship					n/a		n/a	n/a					n/a
4. Design FMEA					G		G						
5. Design/Manufacturing Review (s)					Y		Y						
6. Design Verification Plan & Report					Y		G						
7. Subcontractor PSW Status					G		G						
8. Facilities, Tools & Gages					G		Y						
9. Prototype Build Control Plan					G		G						
10. Prototype Build(s)					G		G						
11. Drawings & Specifications					Y		Y						
12. Team Feasibility Commitment					G		G						
13. Manufacturing Process Flow chart					G		G						
14. Process FMEA					Y		Y						
15. Measurement Systems Evaluation					G		Y						
16. Pre-Launch Control Plan							G						
17. Operator Process Instructions					G		G						
18. Packaging Specifications					G		G						
19. Production Trial Run					G		G						
20. Production Control Plan													
21. Preliminary Process Capability Study													
22. Production Validation Testing													
23. Part Submission Warrant (PSW)													
<b>OVERALL APQP STATUS RATING (GYR)</b>					Y		Y						

Auto-linked to the overall status of the checksheet for this element.

Overall status is worst rating of all elements. Manual input is NOT required.

# [ Complete APQP Status Report – For EM Re-sourcing programs -- continue ]

## 4. Complete action plan on summary sheet.

Do not input action plans on the bottom part of "APQP Status Report (linked)".

22.	Production Validation Testing												
23.	Part Submission Warrant (PSW)												
<b>OVERALL APQP STATUS RATING (GYR)</b>					<b>Y</b>		<b>Y</b>						
<b>Element / Activity</b>		<b>Issue(s) for Red/Yellow Elements</b>				<b>Corrective Action / Resolution Plan</b>				<b>Timing</b>		<b>Responsibility</b>	
#	Activity	(summarize the concern & resulting risk)				(e.g. revise timing, allocate resources)				Open	Close	Ford	Supplier
<p><b>Input/see action plans to R and Y issues on next sheet (Sheet of "Action Plan")!!</b></p>													

# Complete APQP Status Report – For EM Re-sourcing programs -- continue

## 4. Complete action plan on summary sheet - continue.

Advanced Product Quality Planning for EM Resourcing Status Report - Action Plan									
Supplier/Org:		ABC		Program:		EH/FH		Part Number:	
Location:		China		Model Year:		2006		ABAB-9922-AB	
Supplier Code:		DDZZA		EMLP/FPDS Milestone:		PR		Notice Level:	
Contact Name/Tel:		Tom/021-23452345		Review Date:		7-20-2004		User Plant:	
								Lima Engine Plant	
Element #	Item #	Responsibility		Timing		Issues / Comments / Risks (R & Y issues from 23 elements)	Corrective Actions / Resolution Plan		
		Ford	Supplier	Open	Close				
5	12	---	---	---	---	---	---		
8	4	---	---	---	---	---	---		
11	3	Name of Ford PD	Name of supplier lead	04-五月-04		3D Cad Master model is incomplete.	Ford PD will complete model by CP		
14	6	---	---	---	---	---	---		
15	---	---	---	---	---	---	---		
16	---	---	---	---	---	---	---		
17	---	---	---	---	---	---	---		
18	---	---	---	---	---	---	---		
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27	---	---	---	---	---	---	---		
28	---	---	---	---	---	---	---		
29	---	---	---	---	---	---	---		
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31	---	---	---	---	---	---	---		
32	---	---	---	---	---	---	---		
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34	---	---	---	---	---	---	---		
35	---	---	---	---	---	---	---		
36	---	---	---	---	---	---	---		

Header information is linked from "APQP Status Report (linked)" sheet.

Input Element #.

Copy and paste action plans for all R and Y issues from 23 elements.



# [ APQP Status Report ]

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- Supplier must submit Status Report to the CSO STA every month, and two weeks before each milestone.
- STA Site Engineer verifies supplier APQP status and report-outs meet milestone timing.
- Ford Cross functional team must hold regular APQP reviews (minimum at each milestones) with Supplier to evaluate overall program health.
- Supplier must maintain evidence book for each element. Submit supporting documentation upon request.



# Use of Ford APQP Status Report

## Q&A

# [ APQP Reference Information ]

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- Obtain a copy of APQP Status Reporting System for EM from your STA.
- Download APQP Status Reporting Guideline from FSN Website at:

<https://web2.qpr.ford.com/sta/APQP.html>

or the Ford Intranet at (for Ford employee only):

<http://www.quality.ford.com/apqp/>

Ford APQP Status Report v3.2 (for new programs) can also be obtained by using above links.



## Use of Ford APQP Status Report

# Thank You!