ANPQP Version 3.2 Revision

June. 1st 2022

ANPQP Management Team

RENAULT NISSAN MITSUBISHI

Nissan Internal

Introduction:

Renault-Nissan have revised a part of Changes list and DRBFM worksheet to improve usability.

Overview of Revision Items:

Activity		Revision Contents
4.2	Design Failure Mode and Effects Analysis	>Partial revision of Changes List. >Partial revision of DRBFM worksheet for hardware >Addition of DRBFM worksheet for software.

4.2 Change List

■ Revision Point

Redefined name of the titles to avoid to lose viewpoint of changes in circumstances (tend to focus only on changes in design), and ensure to consider both changes and their purposes (tend to consider only one of them)

Current

System/ Functional portion/ Part name	Function	Base Design	New Design	Changing Point (Change Objective)	New-ness

New

System/ Functional portion/ Part name	Function	Base Design	New Design	Changes in design or circumstance	Purpose of the change	New-ness

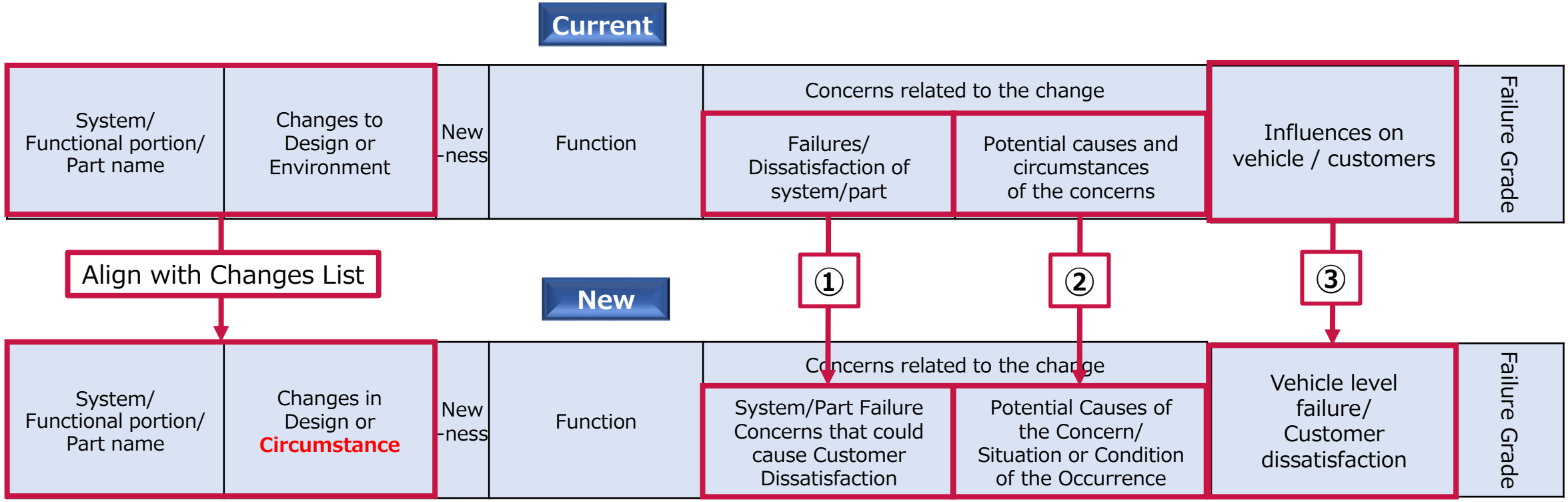
4.2 DRBFM Worksheet

■ Revision Point

① Redefine “dissatisfaction of system/part” to “concern causing customer dissatisfaction”. Dissatisfaction generally occurs on vehicle level rather than system/part level.

② Instruct to consider the cause of the concern and to fill in this column.

③ Instruct to consider not only failure but also dissatisfaction.



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4.2 DRBFM Worksheet

■ Revision Point

Added DRBFM Worksheet for software, to meet increase number of application case to software recently.

Function name	Changes in Design or Circumstance	New-ness	Function/ Scene and Behavior	Concerns Related to the Change		Vehicle Level Failure Customer Dissatisfaction	Failure Grade	Actions taken to eliminate the concerns by			
				System Failure Concerns that could cause Customer Dissatisfaction	Potential Causes of the Concern/ Situation or Condition of the Occurrence			System/Control design	Requirement to software detail design	Test	Requirement to the manufactur-ing process related to the software change

ANPQP Version 3.2 Revision

Dec. 1st 2020

ANPQP Management Team

RENAULT NISSAN MITSUBISHI

Nissan Internal

Introduction:

Renault-Nissan made changed on ANPQP to clarify Japan market regulation for parts and units.

Overview of Revision Items:

Activity		Revision Contents
4.3	Identification and Deployment of Special Characteristics and Key Features	Added link to Nissan Special Characteristics
4.5	Special Characteristics Management	Added requirements for Japan market regulation for parts and units.
	Glossary	Clarified definition of『Key Features』

4.3 Identification and Deployment of Special Characteristics and Key Features

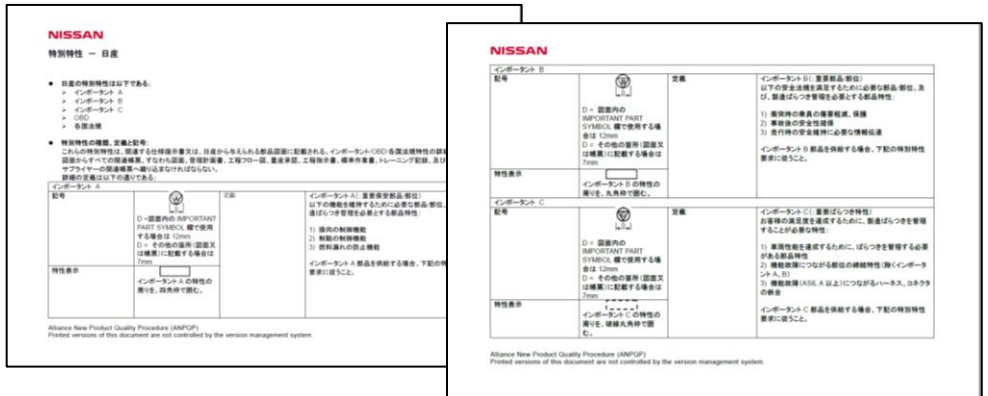
■ Revision Point

Added the **red frame** in Note; so direct linkage to Nissan Special Characteristics requirement.

Note(s):

- Special Characteristics are identified by Renault-Nissan. For Renault, these include CSR. For Nissan, these include Important A, B, C and OBD.
- Key Features are identified by both the supplier and Renault-Nissan.
- These are features that have a significant effect upon fit, function, performance, reliability, appearance and serviceability and include all features affecting type approval (homologation).

Link to Nissan Special Characteristics



Nissan Internal

4.5 Special Characteristics Management

■ Revision Points

1. Strengthen the link to Nissan Special Characteristics requirement.
2. Added **red sentence** in remarks.
3. Added requirements for Japan market regulation for parts and units in supplier portal.

1. Strengthen the link

Definition of special characteristics:

- Renault special characteristics are special characteristics related to safety and regulation.
- Other Nissan special characteristic (Important A, B, C, OBD and regulatory) definition and requirements shall be referred to Version 3.0. Link to Important A/B/C/OBD.

- Other Nissan special characteristic (Important A, B, C, OBD and regulatory) ; Link to Nissan Special Characteristics.

2. Added red sentence in remarks.

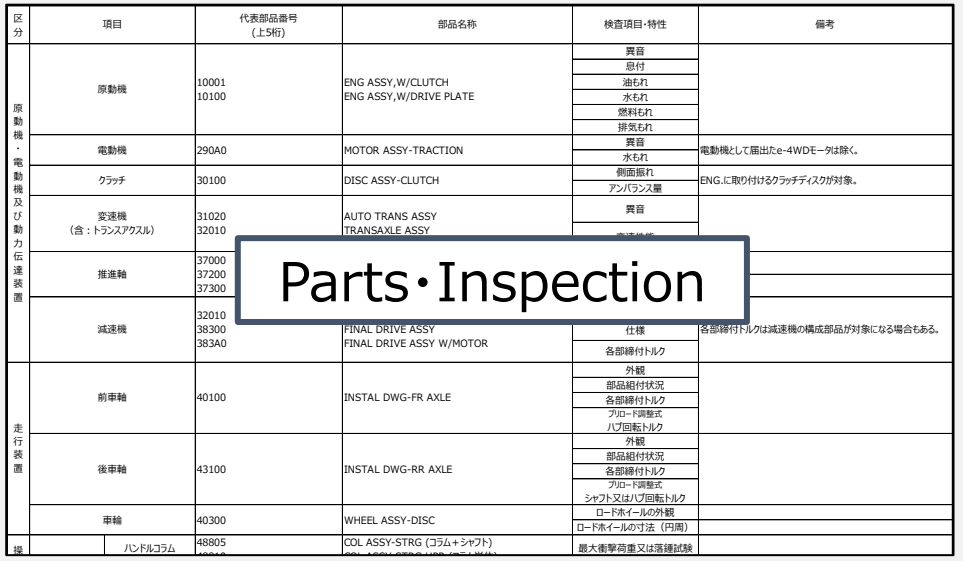
Special Characteristics Requirements related to safety and/or regulation (Note, Requirement of Regulation is for Renault):

For the parts and units for Japan market, supplier is required to apply the requirements provided by Nissan separately.

3. Supplier Portal :

…

The supplier shall periodically submit inspection records for these characteristics, both during pre-SOP trials and throughout Series Production.
Suppliers are required to submit data every 6 months (April and October) unless Nissan specifies an alternative frequency.



区分	項目	代表部品番号（上5桁）	部品名称	検査項目・特性	備考
原動機・電動機及び動力伝達装置	原動機	10001 10100	ENG ASSY,W/CLUTCH ENG ASSY,W/DRIVE PLATE	異音 息付 油もれ 水もれ 燃料もれ 排気もれ	
	電動機	290A0	MOTOR ASSY-TRACTION	異音 水もれ	電動機として届出たe-4WDモータは除く。
	クラッチ	30100	DISC ASSY-CLUTCH	側面振れ アンバランス量	ENG.に取り付けるクラッチディスクが対象。
	変速機（含：トランスアクスル）	31020 32010	AUTO TRANS ASSY TRANSAXLE ASSY	異音	
	推進軸	37000 37200 37300			
	減速機	32010 38300 383A0	FINAL DRIVE ASSY FINAL DRIVE ASSY W/MOTOR	仕様 各部締付トルク	各部締付トルクは減速機の構成部品が対象になる場合もある。
走行装置	前車軸	40100	INSTAL DWG-FR AXLE	外観 部品組付状況 各部締付トルク プリロード調整式 ハブ回転トルク	
	後車軸	43100	INSTAL DWG-RR AXLE	外観 部品組付状況 各部締付トルク プリロード調整式 シャフト又はハブ回転トルク	
	車輪	40300	WHEEL ASSY-DISC	ロードホイールの外観 ロードホイールの寸法（円周）	
操	ハンドルコラム	48805	COL ASSY-STRG（コラム＋シャフト）	最大衝撃荷重又は落錘試験	

Parts・Inspection

Glossary

- Revision Point

  Added **red wording** to clarify『Key Feature』definition

Features which have significant effects upon Fit, Function, Performance and Reliability in the vehicle
Or
Features which require assurance or control during production with regard to Fit, Function, Performance, Reliability, Appearance, and Serviceability (e.g. QVCC, QTF, **type approval (homologation)** etc. for Nissan; Level 1 and 2 for Renault).

ANPQP Version 3.2 Revision

Sept. 1st 2020

ANPQP Management Team

RENAULT NISSAN MITSUBISHI

Nissan Internal

Introduction:

Renault-Nissan Alliance made minor updated on 3.2 ANPQP version for usability and error correction.

Overview of Revision Items:

Activity		Revision Contents
5.3	Tooling, Gauges and Facility Management	Re-word note(s) to avoid mis-understanding
8.1	8D-CCR	Deletion of 5M identification from template.

5.3 Tooling, Gauges and Facility Management

■ Revision Point

Changed the wording to avoid mis-understanding that the “production” could be interpreted as normal production.

Note(s):

- Equipment to be managed includes, but is not limited to, machinery, moulds, jigs and fixtures, tools, gauges, inspection and test equipment.
- Planned changes to equipment conditions (e.g. changes required as a result of a modification to the product or process) shall be managed through the change management activity.
- Unplanned changes to equipment conditions (e.g. damage, wear etc.) shall be managed through the suppliers' maintenance processes.
- Unless otherwise completed following steps, the supplier shall not start ~~regular~~ production.
  - ➢ Check the equipment condition/function (including poka-yoke (error-proofing)) along with the check sheet.
  - ➢ Inspect first article after set-up sample size along the check sheet. (e.g. Three pieces before ~~regular~~ production)

8.1 8D Report

- Revision Point

Delete the **5M identified**.

5. Final Analysis									
Turn on/Turn off to the Root Cause confirmation / Reproduce the defect (actions done to reproduce the defect, does the root cause is really verified, …)									
5 WHY Analysis to identify root cause	*Consider: Man, Material, Machine, Method, Who, Where When Why, How, Process settings, Rework, Maintenance etc. Attach extra detail sheets where necessary								
1	Why was the non conformity made?					2	Why was the non conformity not detected?		
Why?		Why?		Why?		Why?		Why?	
Why?		Why?		Why?		Why?		Why?	
Why?		Why?		Why?		Why?		Why?	
Root Cause:									
1	Responsibility / Department		Responsibility / Department		Responsibility / Department	2	Responsibility / Department		Responsibility / Department
	~~5M identified~~		~~5M identified~~		~~5M identified~~		~~5M identified~~		~~5M identified~~

ANPQP Version 3.2 Revision

ANPQP Management Team

RENAULT NISSAN MITSUBISHI

Nissan Internal

Introduction:

Renault-Nissan Alliance updated this 3.2 ANPQP version on following perspectives;

- Improvement for more user friendly
- Renault & Nissan Convergence
- Clearer explanation
- Consistency with both company’s operation

Agenda

1, Overview of 3.2 Revision Items

2, Revision Contents

3, Time line for version 3.2 launch and Project Application

RENAULT NISSAN MITSUBISHI

1, Overview of 3.2 Revision Items (1/2)

Revision contents were classified into 3 categories.

Revision Contents		Revision Contents	Revision Classification		
			Requirement/ template revision	Consistency with operation	User Friendly / Clear explanation
2.1	Component Supply Chain Chart	Added tierN capacity information inside template. Changed submission level & timing.	✓	✓	
3.2	Supplier Production Preparation Monitoring Plan/Status Report	Added FVC/T2000 column / revised formula. Changed submission level & timing.	✓	✓	
	Production Capacity Plan	Agreed NNA/NE template as alliance template. Changed submission level & timing.	✓	✓	
4.2	Change List/DRBFM Work Sheet	Column of “Parts” & “Function of the parts“ are re- categorized.	✓		
4.3	QA table A/B	QA table A/B becomes alliance template.	✓(Renault)		
4.5	Special characteristics	Added the link to important A/B/C/OBD.			✓
	COC/COP	Changed submission level & timing.		✓	
5.2	Gauge specification and approval	Split into Gauge specification sheet and Gauge approval sheet. Changed submission level.		✓	
5.5	Full Volume Confirmation	Sprit into process self audit and capacity self audit. Registered template for process self audit in the matrix. Changed submission level.	✓	✓	

1, Overview of 3.2 Revision Items (2/2)

Revision Contents		Revision Contents	Revision Background		
			Requirement/template revision	Consistency with operation	User Friendly / Clear explanation
5.6	Ramp up activity plan	Integrate Concern and countermeasure report into 8D report		✓	
5.7	Traceability	Added Renault/Nissan traceability requirement.			✓
6.1	Inspection Report	Added special characteristics requirement inside DCI.	✓		
	Supplier Test Plan and Report	Added special characteristics column inside DCI/template.			✓
7.1	Parts Submission Warrant	Revised condition to start mass production. Agreed alliance PSW requirement.	✓		✓
8.1	8D Report	Added columns / comments to be strengthen.	✓		
10.1	Logistics and Packaging	Revised submission level.		✓	
	Submission level	Changed submission level definition.	✓		
	Record retention	Converged to Renault's record retention period.	✓		
	Parts number detail	Added site information column inside template.	✓		

2, Revision Contents

2.1 Components Supply Chain Chart (1/2)

■ Revision Point

1. Submission level changed to (2) in phase2 and added (2) in phase 3.

Ver 3.1

2. Sub-Supplier Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
2.1 Sub-Supplier Management	CSCC				2	2	2				2	2	2			

Ver 3.2

2. Sub-Supplier Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
2.1 Sub-Supplier Management	CSCC				(2)	(2)	(2)	(2)	(2)	(2)	2	2	2			

RENAULT NISSAN MITSUBISHI

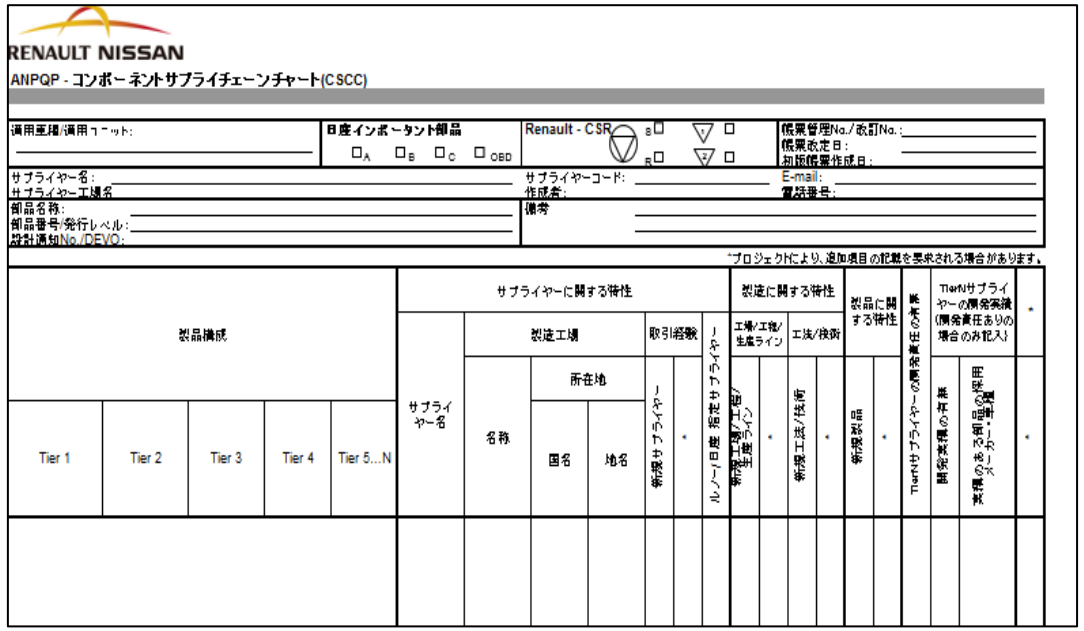
2, Revision Contents

2.1 Components Supply Chain Chart (2/2)

■ Revision Point

1. Added the column to check Tier N capacity risk.

Ver. 3.1


RENAULT NISSAN

ANPQP - コンポーネントサプライチェーンチャート(CSCC)

適用車種/適用ユニット:

日産インポータント部品 □A □B □C □ OBD

Renault - CSR

仮票管理No./改訂No.:
仮票改定日:
初版仮票作成日:

サプライヤー名:
サプライヤー工場名

サプライヤーコード:
作成者:

E-mail:
電話番号:

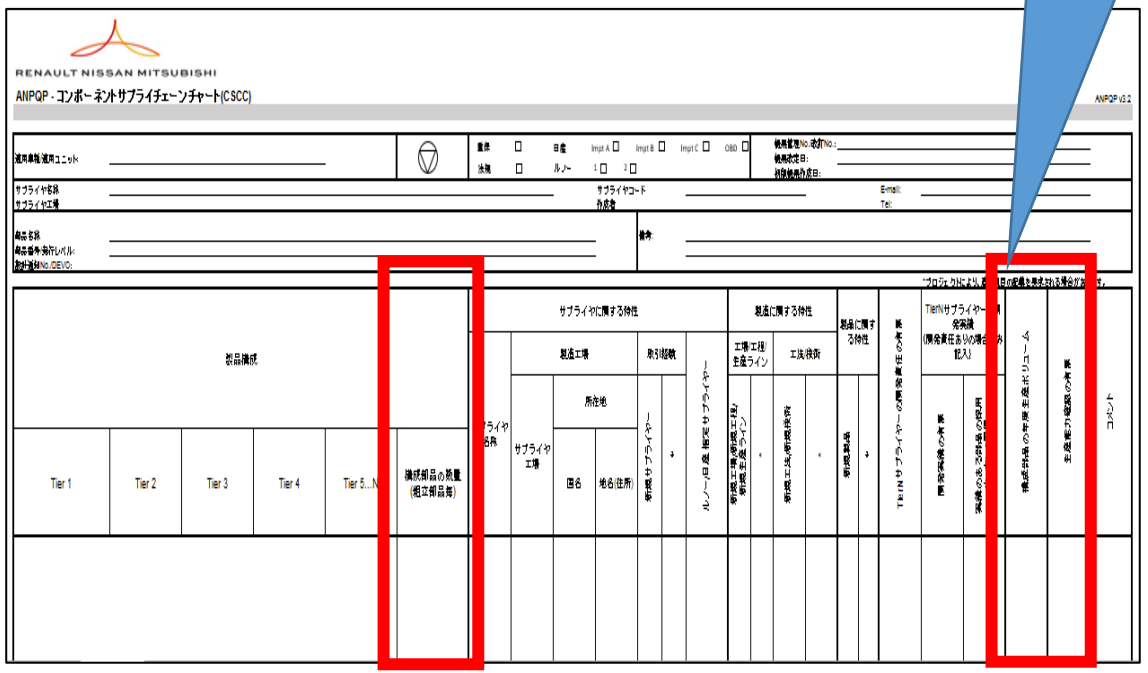
部品名称:
部品番号/発行レベル:
設計通知No./DEVO:

備考

*プロジェクトにより、追加項目の記載を要求される場合があります。

製品構成					サプライヤーに関する特性						製造に関する特性				製品に関する特性		Tier Nサプライヤーの開発実績(開発責任ありの場合のみ記入)		*
Tier 1	Tier 2	Tier 3	Tier 4	Tier 5...N	サプライヤー名	製造工場 名称	所在地 国名	所在地 地名	新規サプライヤー	ルノー/日産 指定サプライヤー	新規工場/工程/生産ライン	*	新規工法/技術	*	新規製品	*	Tier Nサプライヤーの開発責任の有無	開発実績の有無	実績のある部品の採用メーカー型番	*

Ver. 3.2


RENAULT NISSAN MITSUBISHI

ANPQP - コンポーネントサプライチェーンチャート(CSCC)

ANPQP v3.2

適用車種/適用ユニット:

量産 □ 日産 Impt A □ Impt B □ Impt C □ OBD □
後期 □ ルノー 1 □ 2 □

車種管理No./改訂No.:
車種改定日:
初版車種作成日:

サプライヤー名称
サプライヤー工場

サプライヤーコード
作成者

E-mail:
Tel:

部品名称
部品番号/発行レベル:
設計通知No./DEVO:

備考

*プロジェクトにより、追加項目の記載を要求される場合があります。

製品構成					構成部品の質量(相立部品等)	サプライヤーに関する特性						製造に関する特性				製品に関する特性		Tier Nサプライヤーの開発実績(開発責任ありの場合のみ記入)		構成部品の年間生産ボリューム	生産能力の確認の有無	コメント
Tier 1	Tier 2	Tier 3	Tier 4	Tier 5...N		サプライヤー名称	製造工場 サプライヤー工場	所在地 国名	所在地 地名(住所)	新規サプライヤー	*	ルノー/日産 指定サプライヤー	新規工場/新規工程/新規生産ライン	*	新規工法/新規技術	*	新規製品	*	Tier Nサプライヤーの開発責任の有無	開発実績の有無	実績のある部品の採用メーカー型番			

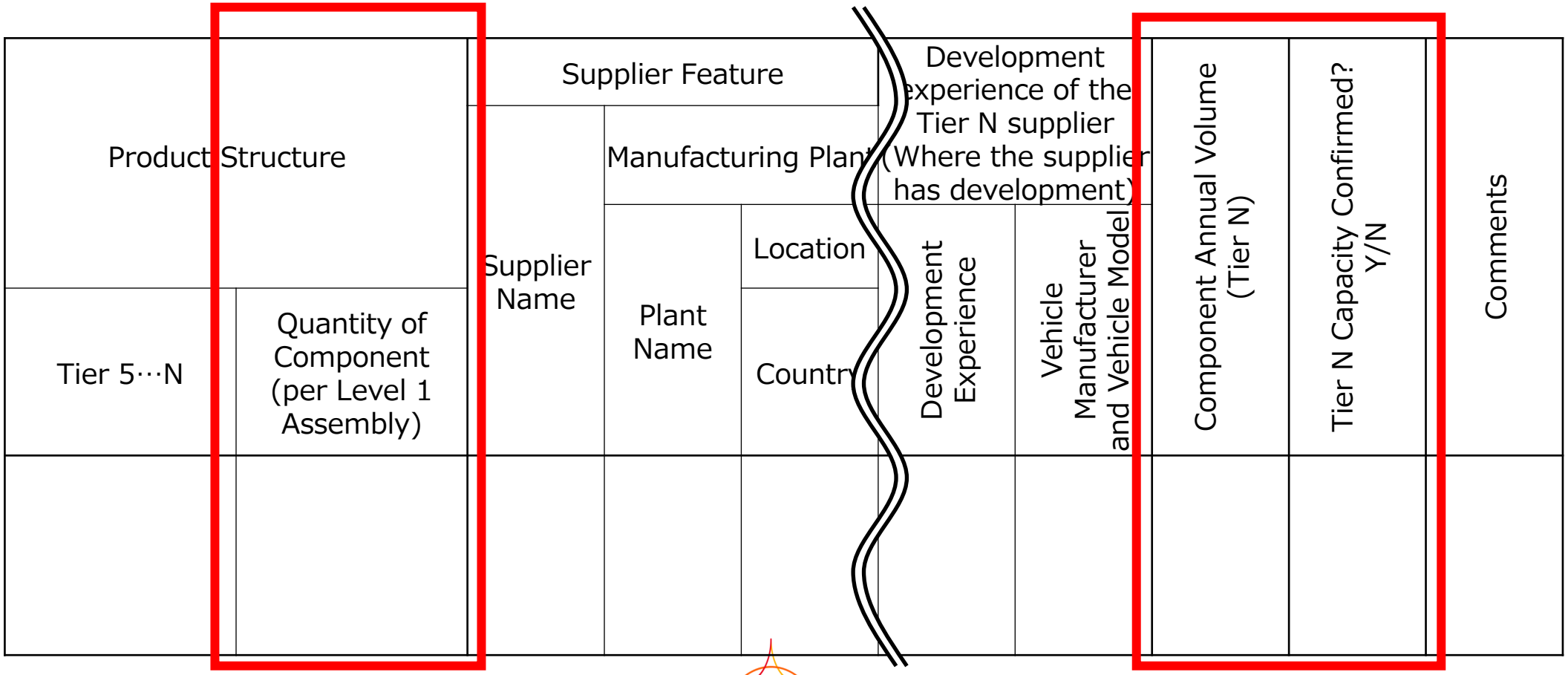
Added to check Tier N capacity risk.

2, Revision Contents

2.1 Components Supply Chain Chart (2/2)

■ Revision Point

2. Added the column to check Tier N capacity risk .



RENAULT NISSAN MITSUBISHI

2, Revision Contents

3.2 Supplier Production Preparation Monitoring Plan/Status Report (1/2)

■ Revision Point

1. Added FVC (T2000) column in project milestone.

RENAULT NISSAN MITSUBISHI

ANPQP - SUPPLIER PRODUCTION PREPARATION MONITORING PLAN AND STATUS REPORT

R / N Project:		Safety ☐ Nissan ☐ Impt A ☐ Impt B ☐ Impt C ☐ OBD ☐ Regulation ☐ Renault ☐ 1 ☐ 2 ☐	Doc. Ref. No./Ver.: Doc Rev. Date: Doc. Origin Date:
Supplier Name: Supplier Plant:		Supplier Code: Author:	E-mail: Tel:
Part Description: Part No. & Issue Level: Design Note No. / DEVO:			Milestone: S / VC-Lot ☐ PT1 ☐

Production Preparation Influencing Factors (All numbers below are cumulative numbers)				Project Milestones				
				S / VC-Lot	PT1	PT2	FVC/T2000	SOP
M A	Manning Requirement	Number of Personnel	Planned Target					
			Planned % of Personnel at SOP					
			Achievement					
			% of Planned Target					
			% of SOP Target					

2, Revision Contents

3.2 Supplier Production Preparation Monitoring Plan/Status Report (2/2)

■ Revision Point

2. Changed submission level to (2) in phase 2.

Ver 3.1

3. Project Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
3.2 Project Planning and Production Preparation Monirotring	SPPMP/SR				3	2	2	3	2	2	3	2	2			

Ver 3.2

3. Project Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
3.2 Project Planning and Production Preparation Monitoring	SPPMP/SR				(2)	(2)	(2)	3	2	2	3	2	2			

2, Revision Contents

3.2 Production Capacity Plan (1/2)

■ Revision Point

1. Changed submission level to 1 in phase 2, (1) in phase 3 and 4.

Ver 3.1

3. Project Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
3.2 Project Planning and Production Preparation Monirotring	Production Capacity Plan				3	2	2				3	2	2			

Ver 3.2

3. Project Management		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
3.2 Project Planning and Production Preparation Monitoring	Production Capacity Plan				1	1	1	(1)	(1)	(1)	(1)	(1)	(1)			

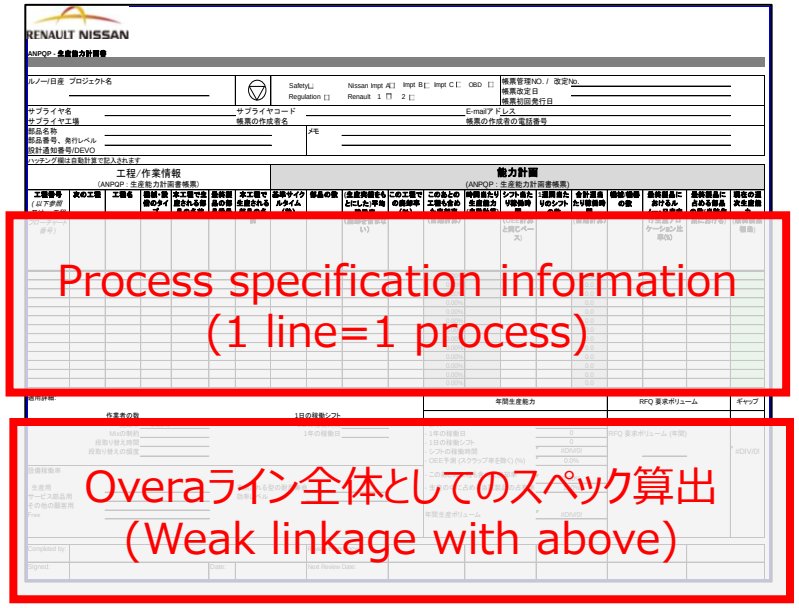
2, Revision Contents

3.2 Production Capacity Plan (2/2)

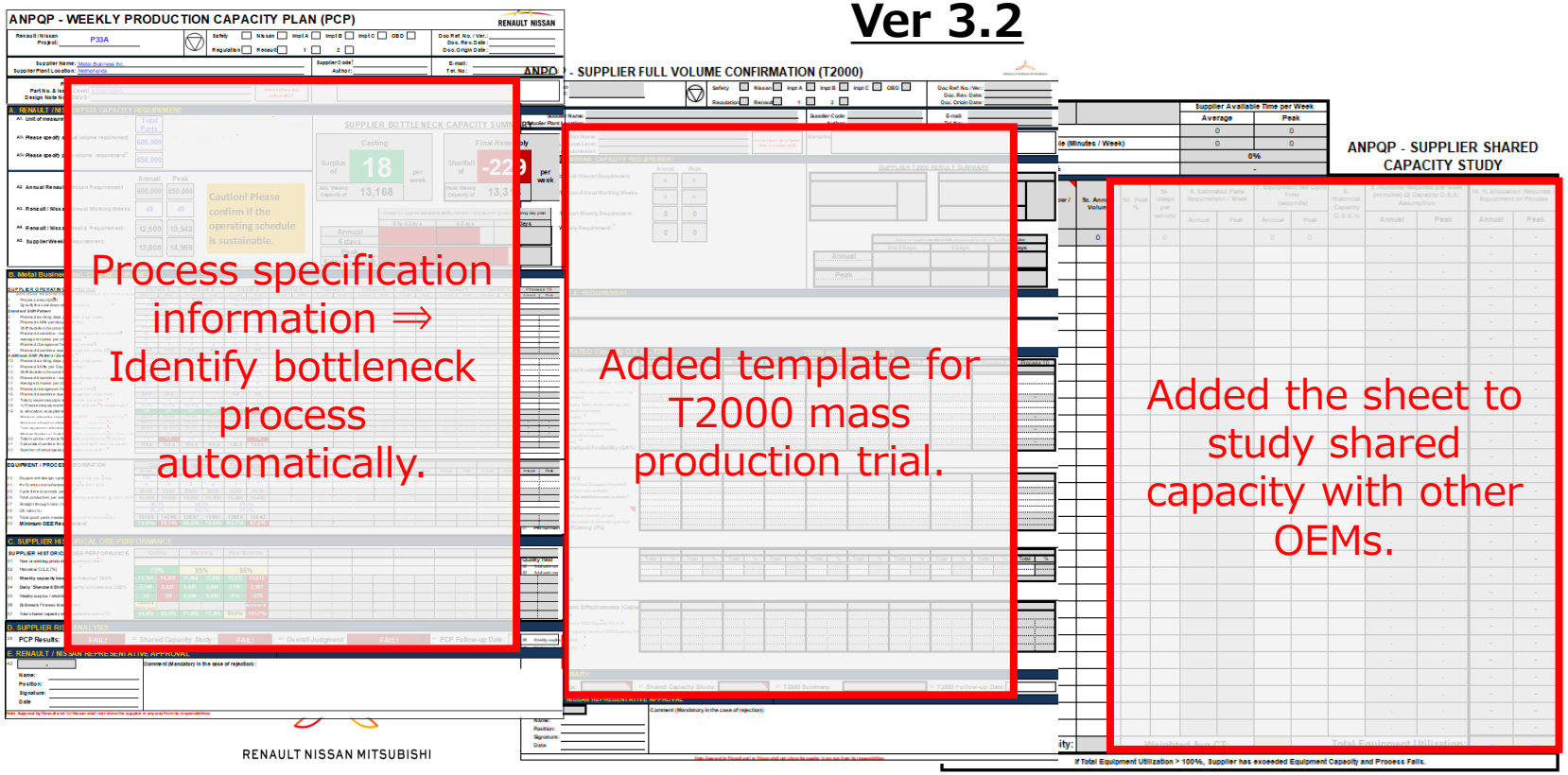
■ Revision Point

2. Revised the template to describe the detailed information, which is able to identify bottleneck process automatically.
3. Added the sheet to study shared capacity.
4. Added the T2000 template which judges OK/NG automatically.

Ver 3.1



Ver 3.2



4.2 Change List/DRBFM Work Sheet (1/2)

■ Revision point

In comparison of parts by parts, it is difficult to realize an essential changing point in terms of functional design, but in comparison the structures by structures that constitute the function, it becomes easier to realize a changing point affecting a function. “Parts” & “Function of the part” are re categorized as below.

Ver 3.1

Change List

Parts	Function of the parts	Base Design

DRBFM Worksheet

Parts	Newness	Function of the parts

Ver 3.2

Change List

System/Part Functional Portion name	Function	Base Design

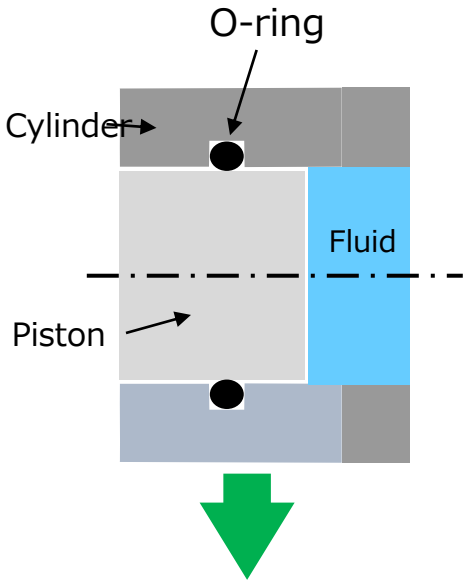
DRBFM Worksheet

System/Part Functional Portion name	Newness	Function

RENAULT NISSAN MITSUBISHI

4.2 Change List/DRBFM Work Sheet (2/2)

O-ring seal structure



Surface pressure design Point of view

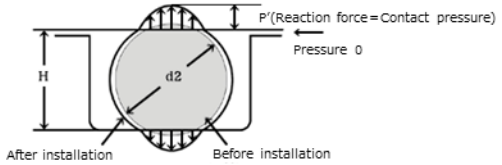


Figure1.O-ring sealing structure

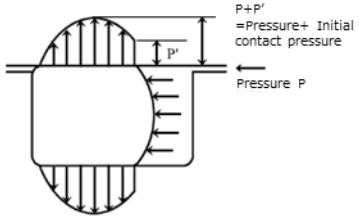
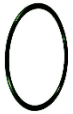
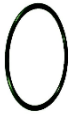


Figure2.O-ring sealing structure

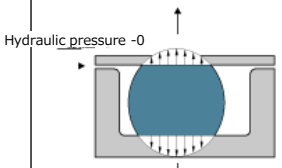
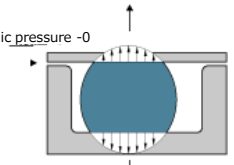
Point of Quick DR

For each functional portion, consider an essential change.

In comparison of parts by parts, it is difficult to realize an essential changing point in terms of functional design

Parts	Function of the parts	Base Design	New Design	Changes to design and their objectives	Newness
Cylinder	Constitute inner wall of piston sliding surface			No change ; Carry over	1
Piston	Change the pressure by reciprocating in cylinder			Part processing method change (conventional method)	2
O-ring	Seal between cylinder and piston			No change ; Carry over	1

In comparison the structures by structures that constitute the function, it becomes easier to realize a changing point affecting a function.

System/Part Functional Portion name	Function	Base Design	New Design	Changes to design and their objectives	Newness
Seal structure	Prevent fluid leakage	 **Lower limit of surface pressure○○Pa**	 **Lower limit of surface pressure△△Pa**	Decrease of seal interference due to variations in processing methods Reduced surface pressure −□□Pa	3

2, Revision Contents

4.3 QA table A/B

■ Revision point

Apply QA table A/B as Alliance template.

Ver 3.1

4. Product Development			Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
			L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
4.3 Identification and Deployment of Special Characteristics and Key Features	QA table A	Nissan				(2)	(2)	(2)									
	QA table B	Nissan										(2)	(2)	(2)			

Ver 3.2

4. Product Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
4.3 Identification and Deployment of Special Characteristics and Key Features	QA table A				(2)	(2)	(2)									
	QA table B										(2)	(2)	(2)			

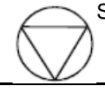
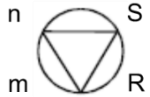
2, Revision Contents

4.5 Special Characteristic Management (1/2)

■ Revision Point

1. Add the linkage to Nissan Important A/B/C/ OBD definition and requirements.

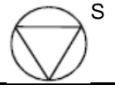
Ver3.1

Identification		Significance of the symbols
Title block of the drawing / Cover Page	Body of the drawing / Related documents	
	 The symbol appears “n” times	Product with “n” safety special characteristics.
	 The symbol appears “n” or “m” times totally	Product with “n” safety special characteristics and “m” regulatory characteristics. Note: In case a safety characteristic is at the same time linked with Regulatory Characteristics defined by both Renault/Nissan.

Other Special Characteristics

•Refer to Ver. 3.0 for Nissan Imp.A/B/C/OBD or regulatory definition and requirements.

Ver3.2

Identification		Significance of the symbols
Title block of the drawing / Cover Page	Body of the drawing / Related documents	
	 The symbol appears “n” times	Product with “n” safety special characteristics.
	 The symbol appears “n” or “m” times totally	Product with “n” safety special characteristics and “m” regulatory characteristics. Note: In case a safety characteristic is at the same time linked with Regulatory Characteristics defined by both Renault/Nissan.

Other Special Characteristics

Link to Nissan Imp.A/B/C/OBD or regulatory definition and requirements.

RENAULT NISSAN MITSUBISHI

2, Revision Contents

4.5 Special Characteristic Management (2/2)

■ Revision Point

2. Changed submission level to add (2) in phase 5.

Ver 3.1

4. Product Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
4.5 Special Characteristic Mnagement	Certificate of Certification (COC)/Conformity of Product (COP)										(2)	(2)	(2)			

Ver 3.2

4. Product Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
4.5 Special Characteristic Management	Certificate of Certification (COC)/Conformity of Product (COP										(2)	(2)	(2)	(2)	(2)	(2)

2, Revision Contents

5.3 Gauge Specification and Approval Sheet

■ Revision Point

1. Split into Gauge Specification Sheet and Gauge Approval Sheet.
2. Submission level changed to (2) in Phase2 and (1) in Phase3.

V 3.1

5. Manufacturing Process Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.3 Tooling, Gauge and Facility Management	Gauge Specification and Approval Sheet				3	2	2	3	1	1						

V 3.2

5. Manufacturing Process Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.3 Tooling, Gauge and Facility Management	Gauge Specification Sheet				(2)	(2)	(2)									
	Gauge Approval Sheet							(1)	(1)	(1)						

2, Revision Contents

5.5 Confirmation of Full Volume Conditions

■ Revision Point

1. Split into ASPQSR and Capacity Self Audit.
2. Include ASPQSR inside Matrix and changed submission level to (2) in for MH parts.
3. T2000 Self Capacity Audit Sheet will be provided from regional SCM/SRMT, and changed submission level to (2) for all parts.

Ver. 3.1

5. Manufacturing Process Development		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.5 Confirmation of Full Volume Conditions	Full Volume Confirmation Audit Results										3	2	2			

Ver. 3.2

5. Manufacturing Process Development			Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
			L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.5 Confirmation of Full Volume Conditions	ASPQSR (Supplier Self check)											3	(2)	(2)			
	T2000 Self Capacity Audit Sheet											(2)	(2)	(2)			

2, Revision Contents

5.6 Ramp up Activity Plan

■ Revision Point

1. Agreed Allianace template for Ramp up Activity Plan.
2. Integrate Concern and countermeasure report during Ramp-Up into 8D report.

Ver. 3.1

5. Manufacturing Process Development			Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
			L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.6 Activities during Ramp-Up	Ram-Up Activity Plan (RUAP)											3	2	2			
	Ramp-Up Activity Concern and Countermeasure Report (RUACCR)														(2)	(2)	(2)

Ver. 3.2

5. Manufacturing Process Development			Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
			L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
5.6 Activities during Ramp-Up	Ram-Up Activity Plan (RUAP)											3	2	2			

RENAULT NISSAN MITSUBISHI

2, Revision Contents

5.7 Identification and Traceability

■ Revision Point

1. Added **red sentence** to Notes.
2. Added traceability parts scope and control method inside supplier portal.

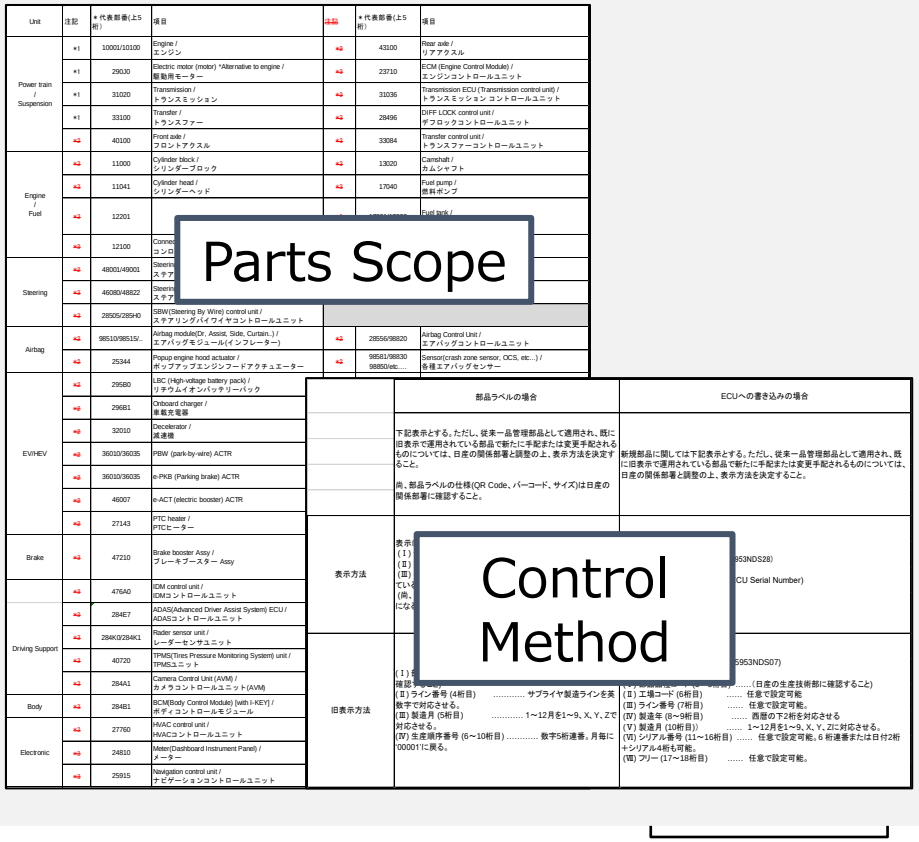
Ver 3.2

Note(s) :

For Renault; Supplier is required to apply the standard 01 33 300.

For Nissan; For specific parts, supplier is required to apply the standard provided by Nissan separately.

Supplier Portal



RENAULT NISSAN MITSUBISHI

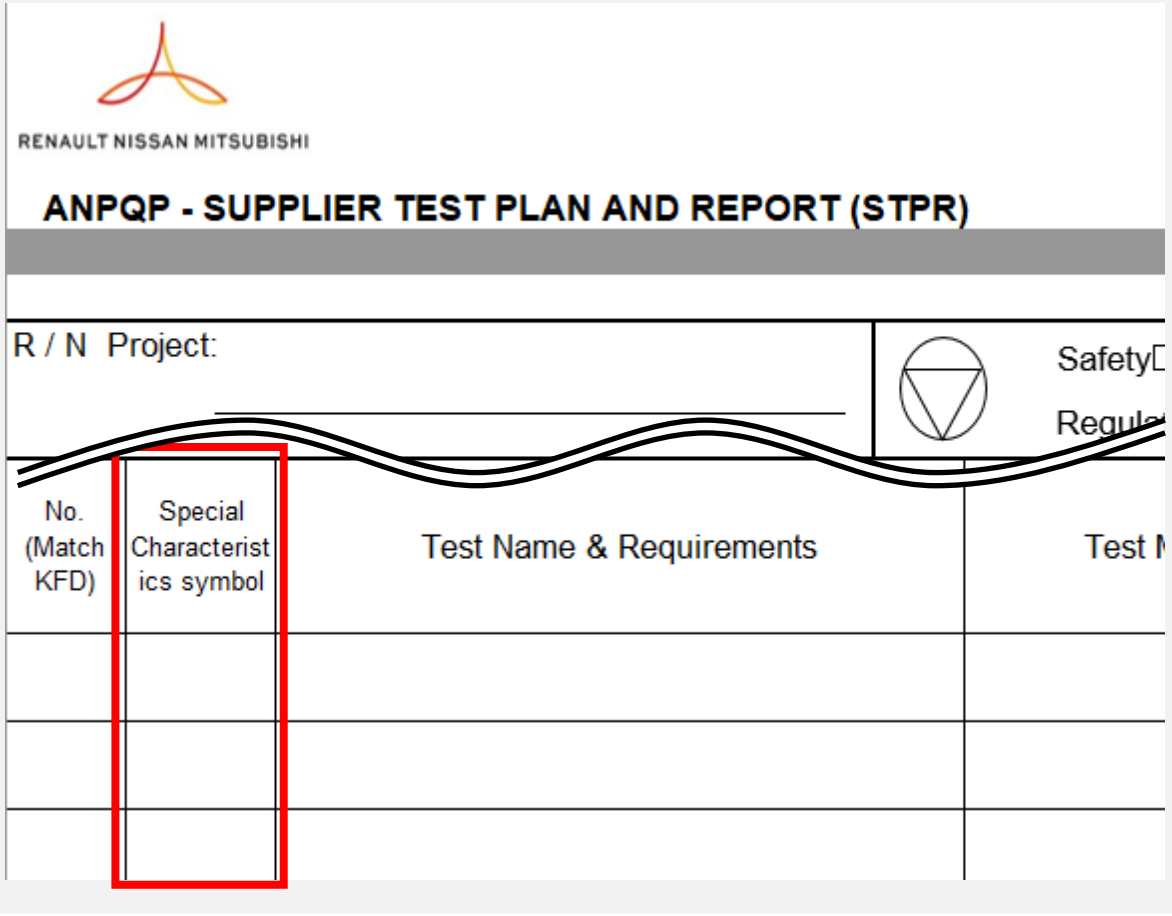
2, Revision Contents

6.1 Supplier Test Plan and Report、Inspection Report

■ Revision Point

1. Added column for special characteristics on Supplier Test Plan and Report.
2. Added **red sentence** on Supplier Test Plan and Report and Inspection Report .

Supplier Test Plan and Report


RENAULT NISSAN MITSUBISHI

ANPQP - SUPPLIER TEST PLAN AND REPORT (STPR)

R / N Project:

Safety

Regula

No. (Match KFD)	Special Characteristics symbol	Test Name & Requirements	Test N

SUBISHI

Supplier Test Plan and Report
Inspection Report

Minimum Content Requirement(s) :

- **Identification of Special Characteristics.**

2, Revision Contents

7.1 Production Part Approval (1/2)

■ Revision Point;

1. Changed the wording to avoid misunderstanding that “Part Approval” could be interpreted as a full PSW is mandatory for mass production and shipping.

Ver 3.1

Note:

- Mass production starting in supplier is not acceptable until Production Part Approval is provided.
- Shipment to Renault/Nissan of product is not acceptable until Production Part Approval is provided

Ver 3.2

Note:

- Mass production start and shipping of its parts to Renault/Nissan is not acceptable until interim or full Production Part Approval is provided.

2, Revision Contents

7.1 Part Submission Warrant

■ Revision Point

2. Communized PSW requirements with Renault, added “Ramp up activity plan”, “Certificate of homologation” and “ASPQR result and Action result” and deleted “LPDS”.

Ver 3.2

Items attached to Submission Warrant

☐ Control Plan	☐ Drawing	☐ **Certificate of homologation**
☐ Process Flow Chart	☐ Component Supply Chain Chart	☐ Design/Process/Facility site Change Request
☐ Inspection Report (including IMDS ID)	☐ Gauge Specification/Approval Sheet	☐ Full Volume Confirmation Audit Result(self)
☐ Supplier Test Plan & Report	☐ Sub-components Part Submission Warrant	☐ **ASPQR result and Action result**
☐ Process Capability Study Result	☐ Parts	☐ Process FMEA
☐ Appearance Approval Report/Styling Approval	☐ Design Note	☐ Others
☐ Part Number Details	☐ **Ramp up activity plan**	

2, Revision Contents

8.1 8D Report

■ Revision Point

Added the **red** columns / comments to be strengthen.

4. Temporary Countermeasures - Immediate Action		
Temporary Countermeasure Details:	Delivery Date for 1st OK parts after temporary countermeasure	
	Delivery Reference for 1st OK parts after temporary countermeasure	
	How are OK parts identified?	
Sorting activity lessons:		
Comments on NOK Parts production (In which shift, on which equipment, by which worker, which day)		

5. Final Analysis
Turn on/Turn off to the Root Cause confirmation / Reproduce the defect (actions done to reproduce the defect, does the root cause is really verified, …)
5 WHY Analysis to identify root cause *Consider: Man, Material, Machine, Method, Who, Where When Why, How, Process settings, Rework, Maintenance etc. Attach extra detail sheets where necessary

1	Why was the non conformity made?					2	Why was the non conformity not detected?		
Why?		Why?		Why?		Why?		Why?	
Why?		Why?		Why?		Why?		Why?	
Why?		Why?		Why?		Why?		Why?	

Root Cause:

1		Responsibility			Responsibility			Responsibility	2		Responsibility			Responsibility
		Department			Department			Department			Department			Department
	5M identified			**5M identified**			**5M identified**			**5M identified**			**5M identified**	

6. Permanent Countermeasures			
What actions have been taken to prevent the manufacture of reject parts in the future? *Consider: Error proofing, Testing, Process Control etc.			
Root cause / Actions	Responsibility	Department	Timing

7. Countermeasure Confirmation	
Confirmation that firewall can be removed (provide results : charts, qty of defects …), as results are satisfactory	
Have the countermeasures implemented been confirmed as effective?	
Countermeasure Action	Confirmation method

2, Revision Contents

10.1 Logistics and Packing

■ Revision Point

1. Submission level changed to (2) in phase 2 and (1) in phase 3.

Ver 3.1

10. Logistics and Packing		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
10.1 Logistics and Packing	Logistics and Packing Data Sheet	2	2	2	2	2	2	2	2	2	1	1	1			

Ver 3.2

10. Logistics and Packing		Phase 1			Phase 2			Phase 3			Phase 4			Phase 5		
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
10.1 Logistics and Packing	Logistics and Packing Data Sheet	2	2	2	(2)	(2)	(2)	(1)	(1)	(1)	1	1	1			

RENAULT NISSAN MITSUBISHI

2, Revision Contents

Submission Level Definition change

■ Revision Point

1. Simplify the table to show as below.
2. Added **red sentence** to () definition

Ver 3.1

	Complete document	Submit document	Obtain approval
1	Must	Must	Must
(1)	If Renault/Nissan requests	If Renault/Nissan requests	If Renault/Nissan requests
2	Must	Must	N/A
(2)	If Renault/Nissan requests	If Renault/Nissan requests	N/A
3	Must	If Renault/Nissan requests	N/A

Ver 3.2

	Complete document	Submit document	Obtain approval
1	Must	Must	Must
2	Must	Must	N/A
3	Must	If Renault/Nissan requests	N/A
()	if Renault or Nissan request **or in case of any change according to "9. Change Management"**		

2, Revision Contents

Retention Period

■ Revision Point

Communize with Renault record retention period.

Ver 3.1

Renault records	Nissan records		Period
Refer to the Renault standard 00 10 415	Japan and Americas	Important A/B or OBD records	10 years
		Other records	3 years
	Europe	All records	12 years

Ver 3.2

records	Period
Special Characteristics records	15 years after EOP
Other records	3 years after EOP

2, Revision Contents

Parts Number Detail

■ Revision Point

Added the columns to provide site information such as Manufacturing address etc.

RENAULT NISSAN MITSUBISHI

ANPQP - PART NUMBER DETAILS (PND)

R / N Project:	Safety ☐ Nissan Impt A ☐ Impt B ☐ Impt C ☐ OBD ☐ Regulation ☐ Renault 1 ☐ 2 ☐	Doc Ref. No. / Ver.: Doc. Rev. Date: Doc. Origin Date:
Supplier Name: Supplier Plant:	Supplier Code: Author:	E-mail: Tel:

Part Number	Part Name	Annual Application Volume	Design Note No. /DEVO	Site Code	Manufacturing Address	City	Zip code	Country	Pass through ?

2, Revision Contents

Other minor revisions (1/3)

■ Revision Content;

1. Update from ISO/TS to IATF.

Alliance Policy

Suppliers are required to comply with all **ISO/TS** 16949 requirements.

Suppliers are required to comply with all **IATF** 16949 requirements.

■ Revision Contents;

2. Changed the name of output document.

4.2 Design Potential FMEA ➔ Design FMEA

5.1 Process Potential FMEA ➔ Process FMEA

2, Revision Contents

Other minor revisions (2/3)

■ Revision Content;

3. Updated **red sentences** to fit into actual operations.

Introduction

- Alliance New Product Quality Procedure (ANPQP) is the alliance procedure that has been developed to define the Renault-Nissan requirements for suppliers from the initial project planning phase, through the Start of Product (SOP), to the End of Product (EOP) life.
- ANPQP is published in three languages; English, French and Japanese. The English version is the master and should be referred to when clarification of any requirements is necessary.
- Senior Management commitment to support fully the achievement of all project goal and target…

- Alliance New Product Quality Procedure (ANPQP) has been developed to define the Renault-Nissan requirements for suppliers from the initial project planning phase, through the Start of Product (SOP), to the End of Product (EOP) life.
- ANPQP is agreed in English. The English version is the master and should be referred to when clarification of any requirements is necessary.
- Top Management commitment to support fully the achievement of all project goal and target…

2, Revision Contents

Other minor revisions (3/3)

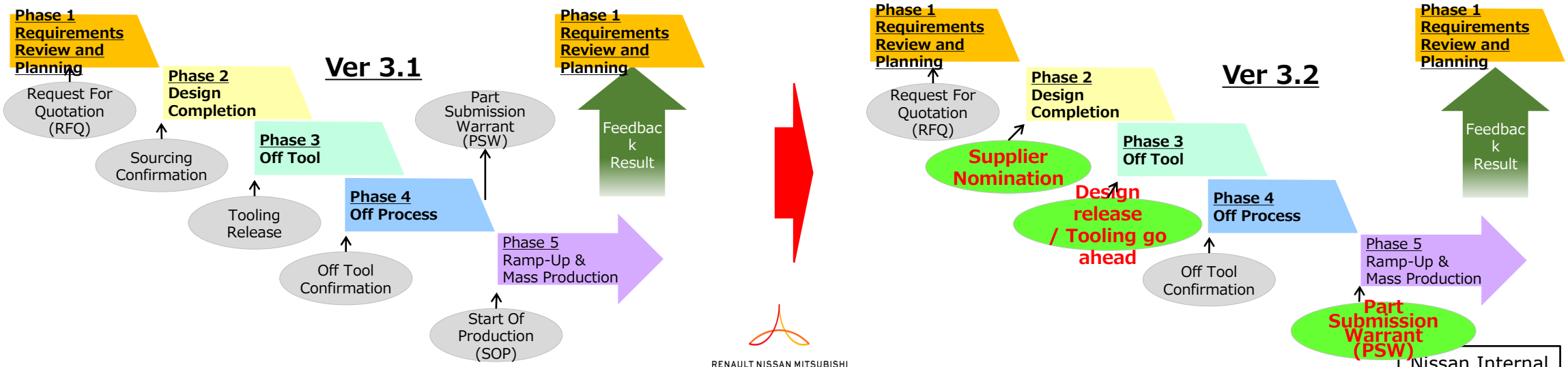
■ Revision Content;

4. Updated examples according to change of the templates.

5. Updated Logo

RENAULT NISSAN → RENAULT NISSAN MITSUBISHI

6. Rewording phase key events by view point of parts development.



3, Version 3.2 Deployment and Application Schedule

	FY 2019						FY 2020
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Web Portal		★ Web site launch					
Training		JPN plants					
		Oversea regions					
Project application							→