

NAF

Nätverk för Affärsutveckling i Försörjningskedjan

MMOG/LE

Huvudmän:



Samarbetspartner:



MMOG/LE

- Vad är MMOG/LE?
 - Vilka områden täcks?
 - Hur fungerar den?
 - På vilket sätt bör man arbeta med den?
-
- Kursen 2010-11-10
 - Mera detaljerat om MMOG/LE
 - Genomgång av version 3
 - Övningar i att agera auditör / auditee – vilka ”bevis” krävs för godkänt
 -

MMOG/LE Purpose & objective

- Establish a Materials Planning and Logistics standard for suppliers of goods and services within the automotive industry.
- Provide a comprehensive assessment of MP&L performance and capability.
- Enable MP&L continuous improvement plans to be developed and prioritized.
- Commonize an assessment tool that can be used
 - by every partner in the supply chain as a self-assessment
 - between business partners as an audit tool
 - internally as benchmark tool

MMOG/LE What is...

- A logistic guideline to best practice
- A logistic evaluation to facilitate measuring logistic capabilities and enhancements.
- A globally standardized way to evaluate suppliers
- A evaluation with a good track record of improving business
- A set of questions (in a spreadsheet) like a checklist with grading

MMOG/LE - Benefits

- Standardized processes
- Knowledge retention
- Data integrity
- Effective communication
- Increased efficiency
- Reduce waste
- Consistent training
- Fewer production disruptions
- Improved delivery performance

- *All of which lead to increased customer satisfaction and overall competitiveness!*

MMOG/LE - Assessment

- The intent of the MMOG/LE Assessment is to validate the organization has robust MP&L processes in place to support their overall business objectives.
- The organization must also be able to provide evidence to that validate that they have comprehensive and sustainable knowledge of their customers' MP&L and delivery requirements.

MMOG/LE - Coverage

MMOG/LE



1. STRATEGY & IMPROVEMENT
2. WORK ORGANIZATION

LEGEND: The color coding relates to the following MMOG/LE chapters:

1. Strategy & Improvement

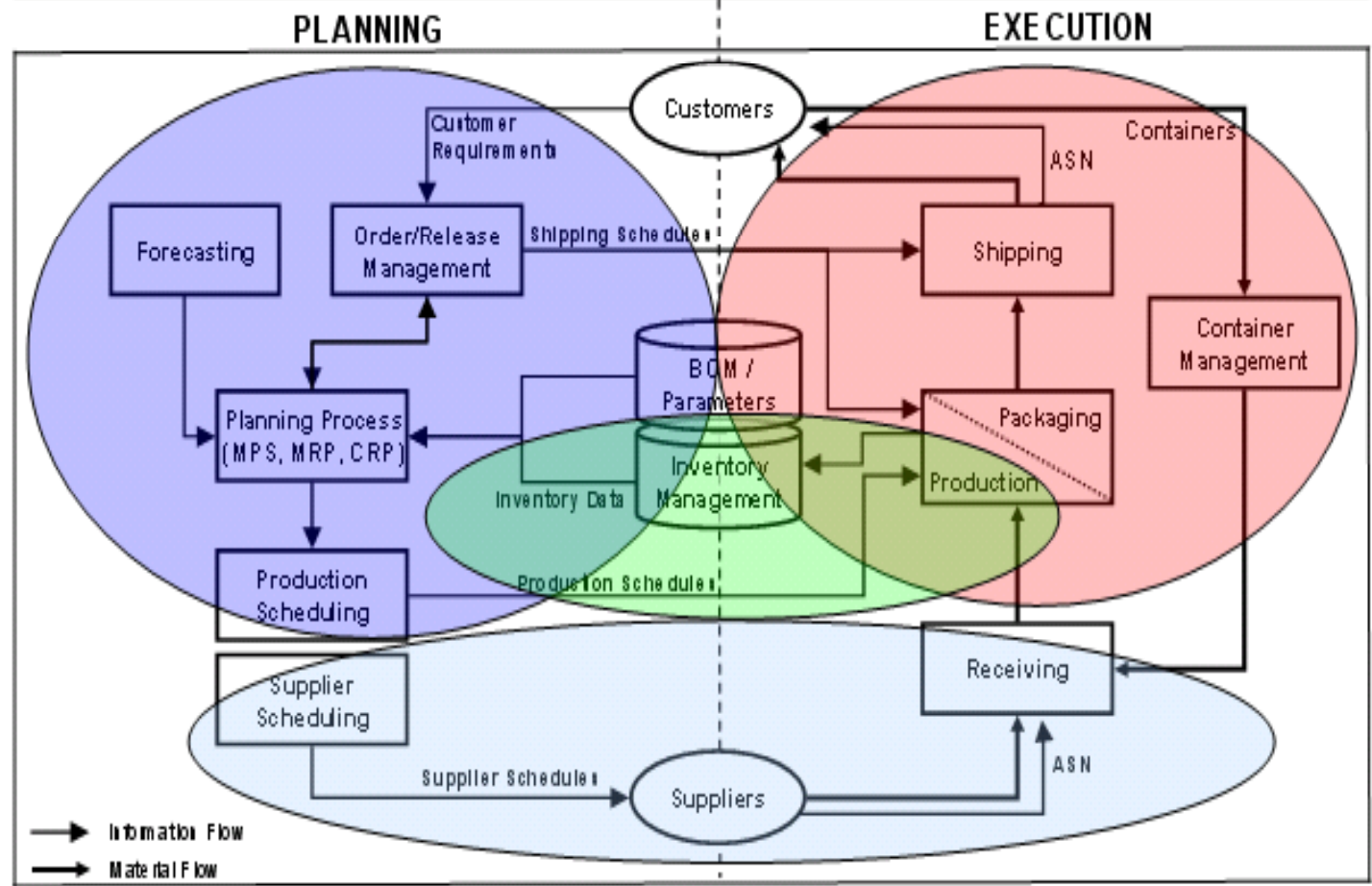
2. Work Organization

3. Capacity & Production Planning

4. Customer Interface

5. Production & Product Control

6. Supplier Interface



MMOG/LE Evaluation Categories

MMOG/LE Evaluation Categories

4. Customer Interface

Customer contact lists, EDI (forecast, schedules), packaging and labeling, returnable containers, shipping (ASNs), bar code labels, equipment calibration, transportation, and customer satisfaction and feedback

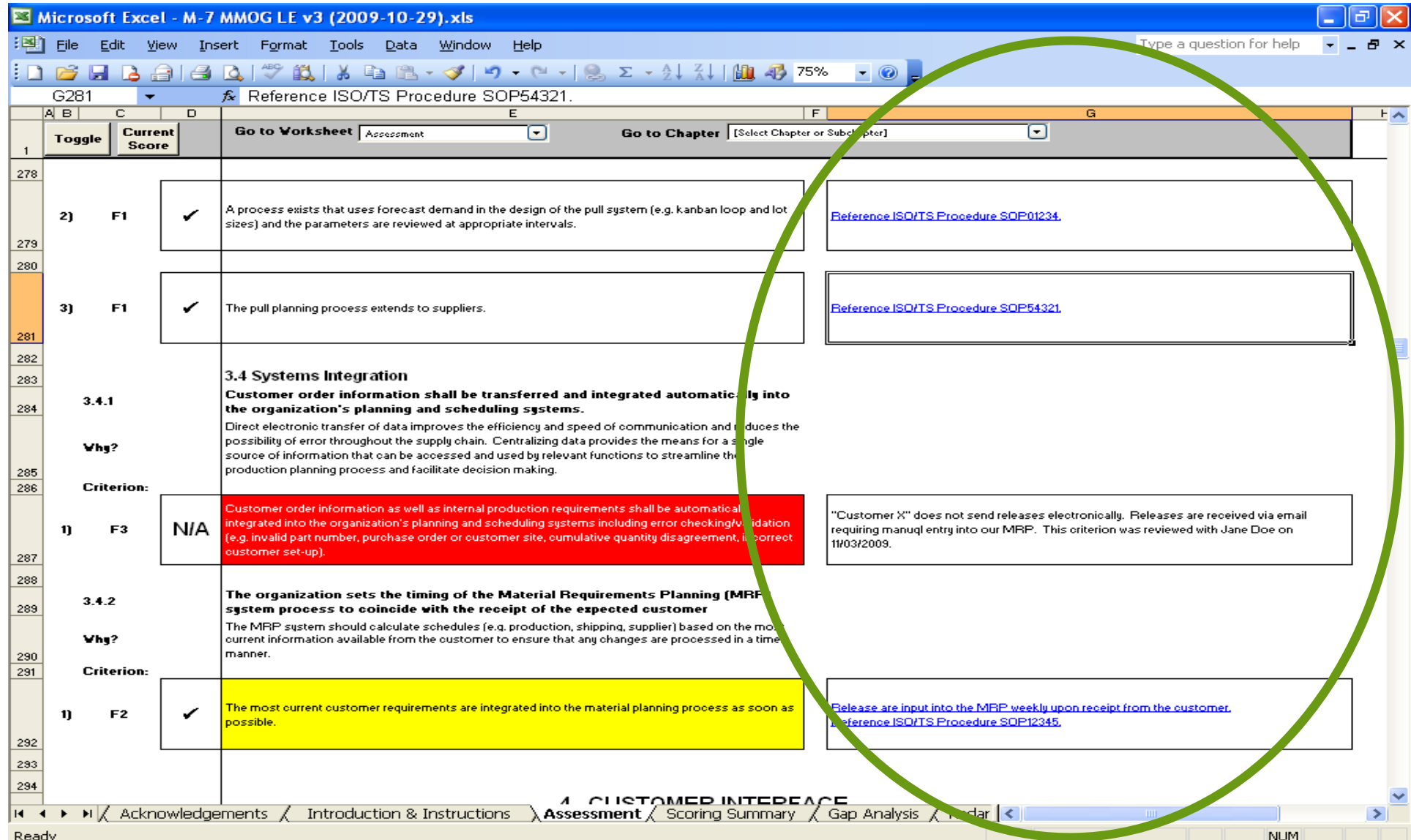
5. Production and Product Control

Material identification, inventory tracking and accuracy, material flow optimization, phasing out inventory, inventory buffers, defective material handling, engineering change control, and traceability

6. Supplier Interface

Sub supplier selection and evaluation, materials and logistics agreements, supplier contacts, communication, contingency planning sub tier electronic communications (releases, schedules, ASNs), packaging and labeling, transportation, and material receipt

Comments Box Added for all Criteria



The screenshot shows an Excel spreadsheet titled "Reference ISO/TS Procedure SOP54321" with a green circle highlighting the "Comments" column. The spreadsheet contains the following data:

Toggle	Current Score	Go to Worksheet	Go to Chapter	Comments
2)	F1	Assessment	[Select Chapter or Subchapter]	Reference ISO/TS Procedure SOP01234.
3)	F1	Assessment	[Select Chapter or Subchapter]	Reference ISO/TS Procedure SOP54321.
3.4 Systems Integration				
3.4.1 Customer order information shall be transferred and integrated automatically into the organization's planning and scheduling systems.				
<i>Why?</i> Direct electronic transfer of data improves the efficiency and speed of communication and reduces the possibility of error throughout the supply chain. Centralizing data provides the means for a single source of information that can be accessed and used by relevant functions to streamline the production planning process and facilitate decision making.				
<i>Criterion:</i>				
1)	F3	Assessment	[Select Chapter or Subchapter]	"Customer X" does not send releases electronically. Releases are received via email requiring manual entry into our MRP. This criterion was reviewed with Jane Doe on 11/03/2009.
3.4.2 The organization sets the timing of the Material Requirements Planning (MRP) system process to coincide with the receipt of the expected customer				
<i>Why?</i> The MRP system should calculate schedules (e.g. production, shipping, supplier) based on the most current information available from the customer to ensure that any changes are processed in a timely manner.				
<i>Criterion:</i>				
1)	F2	Assessment	[Select Chapter or Subchapter]	Release are input into the MRP weekly upon receipt from the customer. Reference ISO/TS Procedure SOP12345.

At the bottom of the spreadsheet, the following tabs are visible: Acknowledgements, Introduction & Instructions, Assessment, Scoring Summary, Gap Analysis, and a partially visible 'Final' tab.

Scoring Summary

- Classification/grade/level will not be shown until Company Name, Site Address, Assessor Name and Assessment date are input
- Better visualization and management of N/A criteria
- Color-coding to highlight problem areas

Scoring Summary: Score NOT Displaying



Microsoft Excel - M-7 MMOG LE v3 (2009-10-29).xls

Assessment... fx

Go to Worksheet: Scoring Summary | Go to Chapter: [Select Chapter or Subchapter]

SUMMARY

TOTAL score	333	F3	F2	F1	Σ	
Maximum Score	351	Compliant	34	69	93	196
%	94%	Non Compliant	0	4	0	4
		Non Applicable	1	2	3	6
		Σ	35	75	96	206

Classification

*Note: The Company Name, Site Address, Assessor, and Assessment Date must all be entered in order for the classification to be displayed.

*Company Name: Company X

*Site Address: 12345 Civic Center Dr., Southfield, MI 48033

*Supplier Code(s):

*Assessor: _____ Verifying Assessor: _____

*Assessment Date: _____ Verification Date: _____

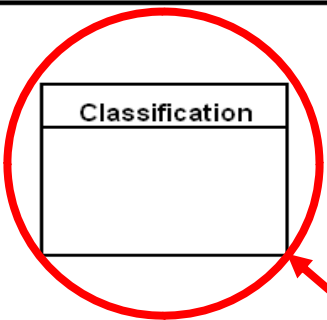
Signature: _____ Signature: _____

Customer Approval for Non Applicable Criteria

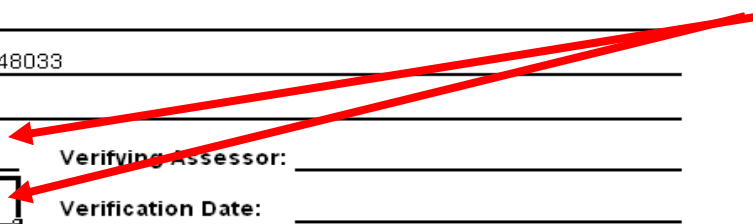
There are 6 criteria that have been assessed as non applicable (N/A). All N/A criteria shall be reviewed with the customer for approval. The reason why each criterion has been waived should be recorded on the Assessment worksheet in the corresponding 'Comment' cell.

Customer approval for N/A criteria was obtained from: _____

Ready NUM



Assessor Name and Assessment Date must all be input



Scoring Summary: Score displaying

Microsoft Excel - M-7 MMOG LE v3 (2009-10-29).xls

Assessment... f&x

File Edit View Insert Format Tools Data Window Help Type a question for help

Go to Worksheet: Scoring Summary Go to Chapter: [Select Chapter or Subchapter]

SUMMARY

TOTAL score	333	F3	F2	F1	Σ	
Maximum Score	351	Compliant	34	69	93	196
%	94%	Non Compliant	0	4	0	4
		Non Applicable	1	2	3	6
		Σ	35	75	96	206

Classification

C

*Note: The Company Name, Site Address, Assessor, and Assessment Date must all be entered in order for the classification to be displayed.

*Company Name: Company X

*Site Address: 12345 Civic Center Dr., Southfield, MI 48033

*Supplier Code(s):

*Assessor: Jane Doe Verifying Assessor:

*Assessment Date: 10/1/2009 Verification Date:

Signature :

Customer Approval for Non Applicable Criteria

There are 6 criteria that have been assessed as non applicable (N/A). All N/A criteria shall be reviewed with the customer for approval. The reason why each criterion has been waived should be recorded on the Assessment worksheet in the corresponding 'Comment' cell.

Customer approval for N/A criteria was obtained from:

Acknowledgements Introduction & Instructions Assessment Scoring Summary Gap Analysis Radar

Ready NUM

Classification is displayed on the "Scoring Summary" and "Radar Chart" worksheets when the required fields are input.

Scoring Summary

N/A NOT Approved by the Customer

Microsoft Excel - M-7 MMOG LE v3 (2009-10-29).xls

File Edit View Insert Format Tools Data Window Help

Assessment...

Go to Worksheet: Scoring Summary

Go to Chapter: [Select Chapter or Subchapter]

SUMMARY					
	F3	F2	F1	Σ	
TOTAL score	333				
Maximum Score	351				
%	94%				
Compliant	34	69	93	196	
Non Compliant	0	1	0	1	
Non Applicable	1	2	3	6	
Σ	35	75	96	206	

Classification: **C**

*Note: The Company Name, Site Address, Assessor, and Assessment Date must all be entered in order for the classification to be displayed.

*Company Name: Company X

*Site Address: 12345 Civic Center Dr., Southfield, MI 48033

*Supplier Code(s): _____

*Assessor: Jane Doe Verifying Assessor: _____

*Assessment Date: 10/1/2009 Verification Date: _____

Signature: _____ Signature: _____

Customer Approval for Non Applicable Criteria

There are 6 criteria that have been assessed as non applicable (N/A). All N/A criteria shall be reviewed with the customer for approval. The reason why each criterion has been waived should be recorded on the Assessment worksheet in the corresponding 'Comment' cell.

Customer approval for N/A criteria was obtained from: _____

Ready NUM

There are 6 criteria assessed as **Non Applicable**, but not approved by the customer.

N/A criteria are considered as "Non Compliant" until customer approval is obtained and recorded in the "Scoring Summary".

The scoring and resulting classification do not include the points associated with the N/A criteria.

Scoring Summary

N/A with Customer Approval

Microsoft Excel - M-7 MMOG LE v3 (2009-10-29).xls

CustomerApp... | Go to Worksheet: Scoring Summary | Go to Chapter: [Select Chapter or Subchapter]

TOTAL score	343	F3	F2	F1	Σ	
Maximum Score	351	Compliant	34	69	93	196
%	97%	Non Compliant	0	4	0	4
		Non Applicable	1	2	3	6
		Σ	35	75	96	206

Classification: **A**

*Note: The Company Name, Site Address, Assessor, and Assessment Date must all be entered in order for the classification to be displayed.

*Company Name: Company X

*Site Address: 12345 Civic Center Dr., Southfield, MI 48033

*Assessor: Jane Doe | Verifying Assessor: _____

*Assessment Date: 10/1/2009 | Verification Date: _____

Signature: _____ | Signature: _____

Customer Approval for Non Applicable Criteria

There are 6 criteria that have been assessed as non applicable (N/A). All N/A criteria shall be reviewed with the customer for approval. The reason why each criterion has been waived should be recorded on the Assessment worksheet in the corresponding 'Comment' cell.

Customer approval for N/A criteria was obtained from: **JOHN DOE**

Scoring : = Compliant Criteria
 (blank) = Non Compliant Criteria

Ready | NUM

6 criteria assessed as **Non Applicable**, and approved by the customer.

The scoring and resulting classification include the points associated with each of the N/A criteria.

Gap Analysis with Comments

File Edit View Insert Format Tools Data Window Help


A6 fx

Select Filter Option All Criteria Go to Worksheet Gap Analysis Toggle Current Score Create Progression Chart

MMOG/LE

Click the 'Create Progression Chart' button to create a Progression Chart that shows the organization's Scoring and Classification progress according to the Target Dates in the Gap Analysis.
[Click here for additional instructions on how to use the Gap Analysis and create a Progression Chart](#)

Total Compliant Criteria 196
Total Non Compliant Criteria 4
Non Applicable Criteria 6



Compliance	Element	Criteria	Question #	Criteria Weigh	Desired State	Assessment Comment	Current State	Gap	Action Plan	Target Date	Completion Date	Responsibility
✓	3.3 Production Planning	3.3.2	2)	F1	A process exists that uses forecast demand in the design of the pull system (e.g. kanban loop and lot sizes) and the parameters are reviewed at appropriate intervals.	Reference ISO/TS Procedure SOP01234.						
✓	3.3 Production Planning	3.3.2	3)	F1	The pull planning process extends to suppliers.	Reference ISO/TS Procedure SOP54321.						
N/A	3.4 Systems Integration	3.4.1	1)	F3	Customer order information as well as internal production requirements shall be automatically integrated into the organization's planning and scheduling systems including error checking/validation (e.g. invalid part number, purchase order or customer site, cumulative quantity disagreement, incorrect customer set-up).	"Customer X" does not send releases electronically. Releases are received via email requiring manual entry into our MRP. This criterion was reviewed with Jane Doe on 11/03/2009.						
✓	3.4 Systems Integration	3.4.2	1)	F2	The most current customer requirements are integrated into the material planning process as soon as possible.	Release are input into the MRP weekly upon receipt from the customer. Reference ISO/TS Procedure SOP12345.						
N/A	4.1 Communication	4.1.1	1)	F2	There is a documented process that defines the level, frequency, and content of communication with the customer.	Criterion 4.1.1 Q1 is non applicable because of XYZ. was reviewed and approved by Jane Doe on 11/3/2009.						
N/A	4.1 Communication	4.1.1	2)	F2	The customer's expectations and requirements regarding MP&L are understood (e.g. schedule adherence, routing instructions, ASN performance), reviewed regularly, and communicated to the appropriate personnel.	Criterion 4.1.1 Q1 is non applicable because of XYZ. was reviewed and approved by Jane Doe on 11/3/2009.						

The organization provides its

Acknowledgements Introduction & Instructions Assessment Scoring Summary **Gap Analysis** Radar Chart Radar Charts - Subcha

Ready NUM

The comment for each criterion in the "Assessment" is displayed in the "Gap Analysis".

Gap Analysis: User-friendly functions



Select Filter Option F1 Criteria Go to Worksheet Gap Analysis Toggle Current Score Create Progression Chart

MMOG/LE
 Total Compliant Criteria: 185
 Total Non Compliant Criteria: 19
 Non Applicable Criteria: 2

Click the 'Create Progression Chart' button to create a Progression Chart that shows the organization's Scoring and Classification progress according to the Target Dates in the Gap Analysis.
[Click here for additional instructions on how to use the Gap Analysis and create a Progression Chart](#)

Compliance	Element	Criteria	Question #	Criteria Weight	Desired State	Assessment Comment	Current State	Gap
✓	1.2 Objectives	1.2.2						
✓	1.3 Measurement, Analysis and Action Plans	1.3.1						
	1.4 Continual Improvement	1.4.1						
	1.4 Continual Improvement	1.4.1						
	1.4 Continual Improvement	1.4.1						
✓	1.4 Continual Improvement	1.4.2						

Scoring Summary

F3 Compliant: 31
 F3 Non Compliant: 1
 F3 Non Applicable: 3

F2 Compliant: 67
 F2 Non Compliant: 6
 F2 Non Applicable: 2

F1 Compliant: 96
 F1 Non Compliant: 0
 F1 Non Applicable: 0

Total Compliant: 194
 Total Non Compliant: 7
 Total Non Applicable: 5

Total Score: 336 (95%)
 Classification: C

OK

- Compliant
- Non Compliant
- Hyperlinks to criteria
- 15 Pre-defined Filters
- Go to Worksheet
- Toggle
- Current Score
- Create Progression Chart

Create Progression Chart

Microsoft Excel - M-7 MMOG LE v3 (2009-10-29).xls

File Edit View Insert Format Tools Data Window Help

Name Box: A6

Select Filter Option: Missing Target Date

Go to Worksheet: Gap Analysis

Toggle Current Score Create Progression Chart

MMOG/LE

Click the 'Create Progression Chart' button to create a Progression Chart that shows the organization's Scoring and Classification progress according to the Target Dates in the Gap Analysis.

[Click here for additional instructions on how to use the Gap Analysis and create a Progression Chart](#)

Compliance	Element	Criteria	Question #	Criteria Weight	Desired State	Assessment Comments	Current State	Gap	Action Plan	Target Date	Completion Date
	1.1 Vision and				A documented vision is in place for the MP&L function.						
					A documented strategy is in place for delivery of the MP&L vision.						
					The MP&L vision and strategy is a fundamental part of the organization's overall business objectives, including customer requirements and continual improvement.						
					The MP&L vision and strategy are communicated to and understood by all employees within the organization.						

Before creating a Progression Chart, it is important that Completion Dates, Target Dates, and Action Plans are accurate and up to date.

Missing or invalid data must be corrected prior to creating a Progression Chart.

There are several pre-defined filters to assist in identifying issues that require attention.

The Progression Chart is primarily driven by the Target Dates entered in the Gap Analysis.

The Progression Chart will be created when all the required data is properly recorded.

When additional information or confirmation is necessary, a prompt panel is shown that describes the issue, the specific criterion involved, and the choice of actions for the user.

Progression Chart

NAF

Toggle
Current Score
Go to Worksheet

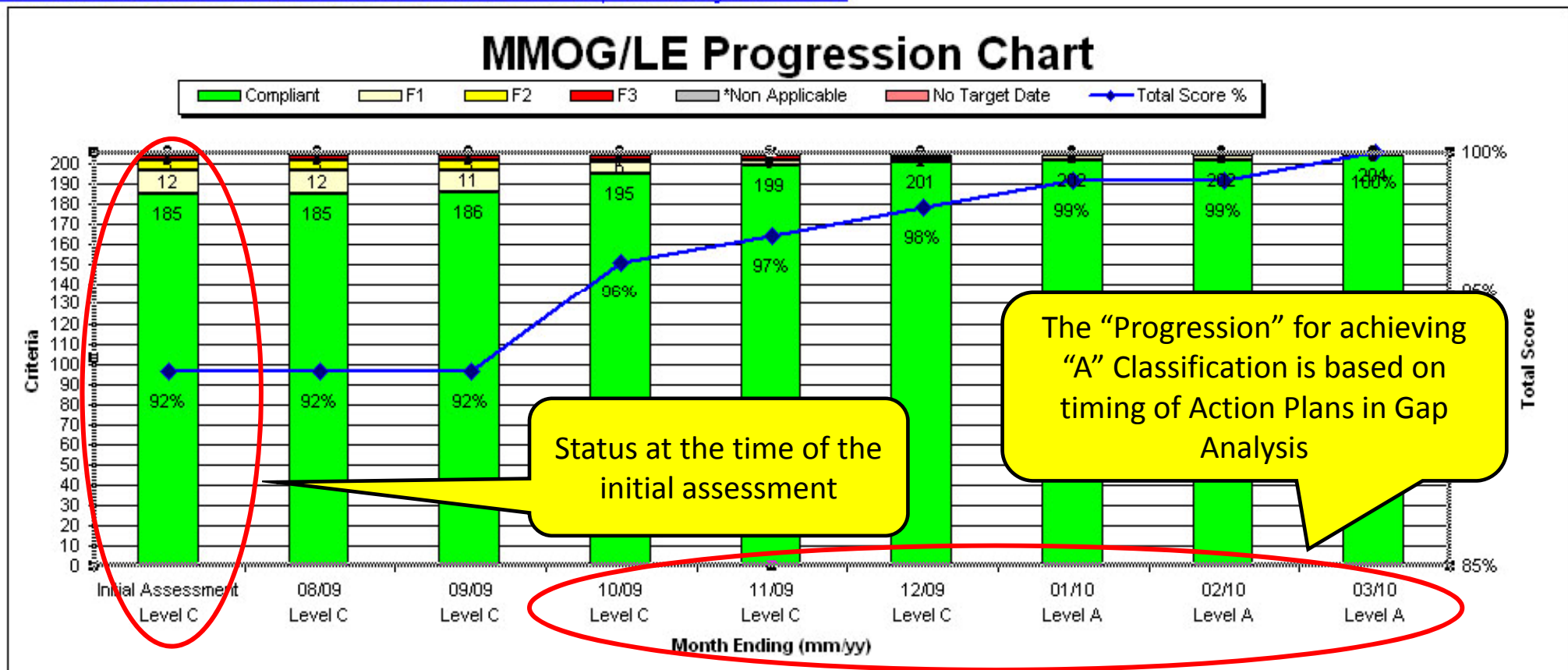
Go to Chapter

Update Chart Data
View Chart Data

The Progression Chart was last updated on: 9/9/2009

Note: The formatting of the chart may require some adjustment by the user where there is a high level of information being displayed.

[Click here for additional instructions on how to create and/or interpret the Progression Chart](#)



*There are 2 N/A criteria that have been approved by the customer.

View Chart Data

Month Ending	Initial Assessment	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Compliant	185	185	186	195	199	201	202	202	206
NonCompliant (F1)	12	12	11	6	3	2	2	2	0
NonCompliant (F2)	5	5	5	1	0	0	0	0	0
NonCompliant (F3)	2	2	2	2	2	1	0	0	0
*Non Applicable	2	2	2	2	2	2	2	2	2
No Target Date	0	0	0	0	0	0	0	0	0
Total Score %	92%	92%	92%	96%	97%	98%	99%	99%	100%
Classification	C	C	C	C	C	C	A	A	A

No Target Date	Initial Assessment	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
No Target Date (F1)	0	0	0	0	0	0	0	0	0
No Target Date (F2)	0	0	0	0	0	0	0	0	0
No Target Date (F3)	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

*There are 2 N/A criteria that have been approved by the customer.

Radar Chart Views

Toggle Go to Worksheet **Radar Charts** Go to Chapter [Select Chapter or Subchapter]

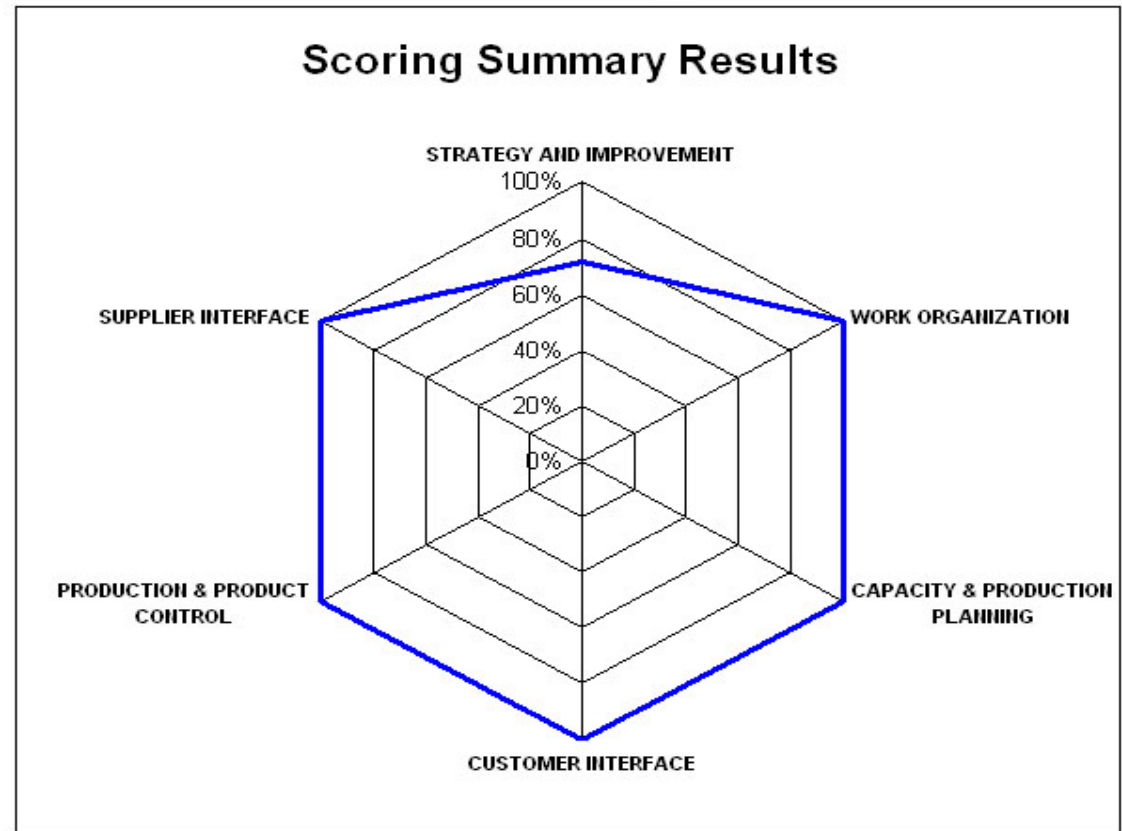
Global MMOG/LE



CHAPTER ONE	STRATEGY AND IMPROVEMENT	71%
CHAPTER TWO	WORK ORGANIZATION	100%
CHAPTER THREE	CAPACITY & PRODUCTION PLANNING	100%
CHAPTER FOUR	CUSTOMER INTERFACE	100%
CHAPTER FIVE	PRODUCTION & PRODUCT CONTROL	100%
CHAPTER SIX	SUPPLIER INTERFACE	100%

SCORE %
94%

CLASSIFICATION
B



MMOG/LE 4.1.2 Customer Interface - EDI

The organization has the capability to electronically receive delivery forecasts and requirements via traditional EDI or web-based tools.

Assessment Questions:

- Is there a documented procedure in place (MMOG/LE 2.2.1)?
- Are the customers' delivery forecasts and/or shipping schedules available electronically?
- Does the organization have the capability to automatically integrate delivery forecasts and/or shipping schedules into its planning system?
- Is automatic integration implemented with all sites involved in the manufacturing and shipping process to the customer, including warehousing and 3rd party facilities?
- Is the receipt and integration of electronic communication in accordance with automotive industry guidelines and/or customer-specific requirements?
- Are there contingency procedures in place in case standard process cannot be followed (MMOG/LE 2.3.2)?
- Are all applicable personnel aware of their responsibility to ensure successful outcome (MMOG/LE 2.4.2)?

- Next course 2010-11-10,
http://www.odette.se/web/Valkommen_att_lara_Dig_mera_om_MMOG_LE_Version_3.aspx
- Hotell Europa Göteborg