



**Bosch Chassis Systems
(CBxx)
Work Instruction**

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WIG 11-005
Issue:
14
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Document Title: Monthly Supplier Performance Rating System

1. PURPOSE

To monitor, evaluate and develop approved subcontractors within a regular, periodic timeframe and to enable purchasing, quality and materials to use a common benchmark tool.

2. SCOPE

- CBxx manufacturing facilities
- CBxx Prototype

3. REFERENCES

Related Work Instructions:

WIG 11-001 -- PBR Specific Requirements
WIG 11-002 -- Supplier Quality System Assessment
WIK 400-018 -- Subcontractor Delivery
WIK 530-001 -- Approved Subcontractor Listing

Miscellaneous Documents:

FG 21-022 -- MSPR Commercial Rating Guidelines

4. RESPONSIBILITY

- Global Purchasing Manager

5. METHOD

5.1 The site buyer is responsible to create a list of approved subcontractors.

5.1.1 Suppliers must meet the criteria for approval as outlined in WIG 11-002

5.2 During the first week of each month, the site buyer shall calculate the MSPR for each subcontractor's performance for the previous month's supply. MSPR is calculated as follows:

MSPR = ppm rating + SCAR rating + Delivery rating + Commercial rating

5.3 Each element of MSPR shall be scored according to the tables shown

◆ **PPM Rating**
(Responsibility: Quality Department)

Suppliers	POINTS	Foundry Suppliers Only
0	25	0
1 – 50	22	1 - 100
51 – 150	20	101 – 500
151 – 250	18	501 – 1,000
251 – 400	15	1,001 – 2,000
401 – 550	12	2,001 – 4,000
551 – 700	8	4,001 – 7,000
701 – 900	4	7,001 – 10,000
> 900	0	> 10,000

◆ **SCAR/Spill Rating**
(Responsibility: Quality Department)

SCAR / Spill Raised	Points
No Concerns, No SCAR(s) Raised	25
Quality Incident Raised	22
SCAR(s) Raised	20
SCAR Containment Actions Response Time exceeded 24 Hours	15
SCAR Corrective Action Response Time exceeded 14 Calendar Days	10
Supplier Placed on Level 1 Containment	5
Supplier Placed on Level 2 Containment	0
Spill At Customer	0
One or more SCARs delinquent past 90 days	0
Multiple SCAR(s) Raised during a one month period	0

◆ **Delivery Rating**
(Responsibility: Materials Department & Prototype Department)

Delivery	Points
100% On Time and 100% Shipped to Schedule	25
Single Late and/or single under-shipment	20
Multiple Late and/or multiple under-shipments	15
Failure to Communicate Late and/or under-shipment condition(1)	10
Any Line Stoppages at CBxx for Delivery Issues	0
(1) Deadline is 2:30pm (CBxx facility Time) on Day Before	
Note : 5 points will be deducted for each incident that the supplier is required to send goods via premium freight due to supplier fault. If the supplier delivery was late and premium freight was used, then the demerit will be applied only once.	

◆ **Commercial Rating**
(Responsibility: Purchasing Department)

Commercial	Points
Outstanding Supplier Partner Behaviour	25
Above average Supplier Partner Behaviour	20
Average Supplier Partner Behaviour	15
Below Average Supplier Partner Behaviour	5
Poor Supplier Partner Behaviour	0

Commercial Criteria:

- Customer Service – Maximum 10 Points
- Cost Savings Initiatives – Maximum 10 Points
- VAVE Efforts to Support Product Quality & Cost Competitiveness – Maximum 5 Points (Refer to FG 21-022 MSPR Commercial Rating)

Commercial Guidelines.

These are guidelines only. The rating is the judgement of the Buyer.

- 5.3.1 In addition to the individual month's score, subcontractors shall be given a rating that is averaged over the previous 6 months performance (rolling 6 month average).
- 5.3.2 Overall supplier classification will be determined from the rolling 6 month average MSPR score as follows:

Rating	Classification
95 – 100	Level of Excellence Supplier (LOE)
70 – 94	Approved Supplier (AS)
60 – 69	Down Rated Status (DRS)
Less than 60	New Business Hold (NBH)

Note: If the performance of any subcontractor impacts CBxx, or CBxx's customer, in a manner that is deemed severe, but is not reflected on the above numerical scale, CBxx reserves the right to immediately place the supplier on New Business Hold. If the subcontractor does not demonstrate adequate improvement actions, CBxx may begin a re-sourcing of that business.

- 5.4 Upon completion of the scoring, the site buyer shall submit an MSPR to each subcontractor.
- 5.5 Any supplier with a MSPR rating of less than 70 will be deemed to be a high impact supplier. The Supplier Development Manager is responsible to ensure the supplier participates in a Supplier Improvement Meeting (SIM) will be conducted with the supplier. Purchasing/ Supplier Development will conduct the meeting

6. Supplier of the Year Award

Each year, CBxx may recognize the "best of the best" by ranking suppliers in the areas of product, quality, delivery, and commercial performance. The criteria are as follows:

Product

- Embraces the introduction of new technology for superior product performance and process improvements
- Aggressively pursues improved product and process capability
- Enhanced product design robustness
- Commitment to a zero defect program

Quality

- Quality concerns resolved permanently and effectively
- Demonstrated commitment to quality with objective evidence in the form of reduced ppm, warranty claims, improved quality system, downward trend in number of SCARs received, etc.

Delivery

- Top supplier in delivery performance
- Demonstrated support to the APQP process
- Prototype, PPAP and/or re-certification submissions on-time

Commercial

- Cost reductions
- Demonstrate worldwide competitiveness
- Achieve cost targets
- Participate in value management activities which bring about incremental improvement

- to CBxx
- Safety / ISO14001
- Level of Excellence supplier for a minimum of 6 months

6. FLOWCHART

No FlowChart