LG전자

제품-법인별\_수량집계

프로시져 설계서

**STEP**

**문서번호**

**작성자**

**작성일**

**TASK**

**STAGE**

이상훈C

2016.04.28

프로시져 설계서

ED\_진화적 전달

문서 이력

검토

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| 번호 | 검토 일자 | 개정 | 검토자 | 서명 |
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개정 기록

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# 개요

## Definitions

사용자가 원하는 데이터를 추출하기 위하여 지정된 조건을 임의로 입력하여 조회하고 그 결과를 보고서 엑셀파일로 생성하는 작업에 대해 정의한다.

1. 제품-법인별 수량집계
2. 월별 생산수량 및 누적수량 13개월 누적수량 및 생산비중을 조회한다..

## 기본 흐름

1) 가동율 COPY 시트

DB2

EXCEL

**8000자 제한으로 인해서 엑셀에서 DB2를 호출 후 엑셀에서 MS-SQL로 적재한다..**

**현재월 이전까지의 데이터는 엑셀로 UPLOAD 한다.**

EXCEL

MS-SQL

**M\_OPSMR\_TB\_KIT\_TEMP**

**M\_OPSMR\_TB\_OP\_RATE**

**에 적재한다.**

**M\_OPSMR\_TB\_KIT\_TEMP는 프로시저 호출때마다 재적재한다.**

# 제품-법인별 수량 집계

## Procedure개요

## 2.1.1 m\_opsmr\_sp\_prod\_sub\_qty\_sum

|  |  |
| --- | --- |
| **프로시져 설명** | 월별 제품 생산수량/ 누적수량 / 13개월 누적수량 / 생산비중을 조회함.. |
| **관련 Application** |  |
| **사전 조건** | M\_OPSMR\_TB\_OP\_RATE 적재 |
| **상세 로직** | 1.과거데이타는 엑셀에서 기준월부터는 쿼리로 적재 후 그 결과를 프로시저로 호출하도록 함.  2. m\_opsmr\_sp\_prod\_sub\_qty\_sum을 실행 후 보고서 생성함.  3. 호출 파라메터    (1) opsmr\_type : 기준/운영 구분  (2) start\_yyyymm : 조회시작일  (3) base\_yyyymm : 조회기준일    4. 사용 쿼리  **m\_opsmr\_sp\_prod\_sub\_qty\_sum**  ALTER PROCEDURE [dbo].[m\_opsmr\_sp\_prod\_sub\_qty\_sum]  (  @opsmr\_type VARCHAR(5)  ,@start\_yyyymm VARCHAR(6)  ,@base\_yyyymm VARCHAR(6)  )  AS  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  1. 프 로 젝 트 : M\_OPSMR  2. 프로그램 ID : m\_opsmr\_sp\_prod\_sub\_qty\_sum  3. 기 능 : DB2 기준가동률 및 운영가동률을 m\_opsmr\_sp\_prod\_sub\_qty\_sum  -- EXEC m\_opsmr\_sp\_prod\_sub\_qty\_sum 'STD', '201602' -- 기준가동율  4. 관 련 화 면 :  버전 작 성 자 일 자 내 용  ---- --------- ---------- -----------------------------------------------  1.0 shlee 2016.04.05 최초작성  1.1 shlee 2016.04.20 날짜조정  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  DECLARE @vc\_pre\_13 AS VARCHAR(6);  DECLARE @vc\_post\_1 AS VARCHAR(6);  DECLARE @vc\_post\_3 AS VARCHAR(6);  SET NOCOUNT ON  SET @vc\_pre\_13 = CONVERT(VARCHAR(6), DATEADD(m, -12, CONVERT(DATETIME,@base\_yyyymm+'01')), 112); -- 직전13개월전  SET @vc\_post\_1 = CONVERT(VARCHAR(6), DATEADD(m, 1, CONVERT(DATETIME,@base\_yyyymm+'01')), 112); -- 직후1개월  SET @vc\_post\_3 = CONVERT(VARCHAR(6), DATEADD(m, 3, CONVERT(DATETIME,@base\_yyyymm+'01')), 112); -- 직후3개월  BEGIN  -- 월별수량  SELECT '01.월별수량' AS cat\_cd  ,prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,kpi\_period\_code  ,SUM(a.production\_quantity) AS val  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code between @start\_yyyymm and @vc\_post\_3  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  ,kpi\_period\_code  UNION ALL  -- 생산수량 당월누적  SELECT '02.생산수량 당월' AS cat\_cd  ,prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,'당월누적' AS kpi\_period\_code  ,SUM(a.production\_quantity) AS val  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  UNION ALL  -- 생산수량 차월누적  SELECT '021.생산수량 차월' AS cat\_cd  ,prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,'차월누적' AS kpi\_period\_code  ,SUM(a.production\_quantity) AS val  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @vc\_post\_1  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  UNION ALL  -- 생산수량 직전13개월  SELECT '022.생산수량 직전13개월' AS cat\_cd  ,prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,'직전13개월' AS kpi\_period\_code  ,SUM(a.production\_quantity) AS val  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN @vc\_pre\_13 AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  UNION ALL  SELECT '03.생산비중' AS cat\_cd  ,a.prod AS prod  ,a.sub AS sub  ,MAX(a.sub\_enm) as sub\_enm  ,MAX(a.sub\_knm) as sub\_knm  ,MAX(a.prod\_enm) as prod\_enm  ,MAX(a.prod\_knm) as prod\_knm  ,'당월누적' AS kpi\_period\_code  ,CASE WHEN SUM(b.qty) = 0 THEN 0  ELSE SUM(a.qty)/SUM(b.qty) END AS val  FROM ( SELECT prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,SUM(a.production\_quantity) as qty  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  ) A  LEFT JOIN  ( SELECT prod.display\_name AS prod  ,SUM(a.production\_quantity) as qty  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ) B  ON A.prod = B.prod  GROUP BY a.prod  ,a.sub  UNION ALL  SELECT '04.제품TOTAL' AS cat\_cd  ,a.prod AS prod  ,a.sub AS sub  ,MAX(a.sub\_enm) as sub\_enm  ,MAX(a.sub\_knm) as sub\_knm  ,MAX(a.prod\_enm) as prod\_enm  ,MAX(a.prod\_knm) as prod\_knm  ,'당월누적' AS kpi\_period\_code  ,SUM(b.qty) AS val  FROM ( SELECT prod.display\_name AS prod  ,sub.display\_name AS sub  ,MIN(sub.display\_enm) as sub\_enm  ,MIN(sub.display\_knm) as sub\_knm  ,MIN(prod.display\_enm) as prod\_enm  ,MIN(prod.display\_knm) as prod\_knm  ,SUM(a.production\_quantity) as qty  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ,sub.display\_name  ) A  LEFT JOIN  ( SELECT prod.display\_name AS prod  ,SUM(a.production\_quantity) as qty  FROM m\_opsmr\_tb\_op\_rate(nolock) a  ,m\_opsmr\_tb\_op\_rate\_sub\_mst(nolock) sub  ,m\_opsmr\_tb\_op\_rate\_prod\_mst(nolock) prod  WHERE a.opsmr\_type = @opsmr\_type  AND a.target\_code = 'PD\_002'  AND a.base\_yyyymm = @base\_yyyymm  AND a.kpi\_period\_code BETWEEN SUBSTRING(@base\_yyyymm,1,4)+'01' AND @base\_yyyymm  AND a.factory\_region1 = sub.mapping\_code  AND a.gbu\_code = prod.mapping\_code  AND sub.use\_flag = 'Y'  AND prod.use\_flag = 'Y'  GROUP BY prod.display\_name  ) B  ON A.prod = B.prod  GROUP BY a.prod  ,a.sub  ;  END  ; |
| **오퍼레이션** |  |
| **에러처리** | 에러 발생시 프로그램 내에서 처리하지 않고 공통모듈 프로그램에서 처리함 |
| **사후 조건** |  |

## 

## 2.2 Return Value

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| --- | --- | --- | --- | --- | --- |
| Argument | Prompt | Value Set | Default Type | Default Value | Option |
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## 

## 2.3 Table and View Usage

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| --- | --- | --- | --- | --- |
| Table Name | Select | Insert | Update | Delete |
| M\_OPSMR\_TB\_KIT\_TEMP | Y | Y |  | Y |
| M\_OPSMR\_TB\_OP\_RATE | Y |  |  |  |
| M\_OPSMR\_TB\_OP\_RATE\_PROD\_MST | Y |  |  |  |
| M\_OPSMR\_TB\_OP\_RATE\_SUB\_MST | Y |  |  |  |
|  |  |  |  |  |