LG전자

월별 Trend (재고)

프로시져 설계서

**STEP**

**문서번호**

**작성자**

**작성일**

**TASK**

**STAGE**

김석규

2016.01.31

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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| 번호 | 변경 일자 | 버전 | 변경 내용 | 작성자 | 승인자 |
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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) 월별 Trend (재고) 조회  
SMART 재고 추이를 집계하여 Result Set으로 return함

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## 기본 흐름

1) 월별 Trend (재고) 조회

IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY

쿼리 조회 결과

SMART 재고 추이

월별 Trend (재고) (Excel)

2)

# 월별 Trend (재고) 조회

## Procedure개요

## 2.1.1 SP\_CD\_RES\_SMR\_TREND\_INVENTORY\_HISTORY

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| --- | --- |
| **프로시져 설명** | SMART 재고 추이 결과를 조회함. |
| **관련 Application** |  |
| **사전 조건** | NPT DW INV 실적 형성 |
| **상세 로직** | 1. 월 NPT DW 재고 실적 대상으로 B2B/B2C별 재고 결과를 조회하여 그 결과를 프로시져를 호출한 화면에서 조회나 엑셀다운로드 등을 할 수 있도록 테이블(IPTDW\_RES\_KPI\_SUBSDR\_CNTRY)에 저장후 조회함  2. 입력받은 기준월, 법인, B2B/B2C구분, 조직기준월로 데이터 조회 후 보고서 생성함.  3. 호출 파라메터    (1) P\_BASIS\_YYYYMM : 실적 기준월  (2) P\_SUBSDR\_CD : 법인  (3) P\_B2B\_B2C : B2B/B2C구분  (4) P\_DIV\_YYYYMM : 조직 기준월    4. 사용 쿼리  SELECT Z.COL\_INDEX  ,Z.DIV\_CD  ,P\_B2B\_B2C AS B2B\_B2C  ,SUBSTR(Z.BASIS\_YYYYMM,1,4) AS BASIS\_YYYY  ,Z.BASIS\_YYYYMM  ,Z.KPI\_CD  ,SUM(Z.AMOUNT) AS AMOUNT  ,MAX(Z.DIV\_NAME\_KO) AS DIV\_NAME\_KO  ,MAX(Z.DIV\_NAME\_EN) AS DIV\_NAME\_EN  FROM (  -- 1.전체\_매출  SELECT '1.전체\_매출' AS COL\_INDEX  ,'1.전체\_매출' AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,'' AS DIV\_NAME\_KO  ,'' AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  /\*INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)\*/  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'BEP\_SMART\_DIV'  AND A.KPI\_CD IN ('SALE')  AND A.DIV\_CD = 'GBU'  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 2.전체\_재고일수  SELECT '2.전체\_재고일수' AS COL\_INDEX  ,'2.전체\_재고일수' AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,'' AS DIV\_NAME\_KO  ,'' AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  --AND A.DIV\_CD = (CASE WHEN P\_B2B\_B2C IN ('B2B','B2C') THEN P\_B2B\_B2C ELSE 'GBU' END)  AND A.DIV\_CD = 'GBU'  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV\_DIO', 'INV\_DIO\_R', 'INV\_DIO\_MTL')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 3.전체\_재고금액  SELECT '3.전체\_재고금액' AS COL\_INDEX  ,'3.전체\_재고금액' AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,'' AS DIV\_NAME\_KO  ,'' AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  /\*INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)\*/  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV', 'INV\_WH', 'INV\_SEA')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 4.전체\_장기재고금액  SELECT '4.전체\_장기재고금액' AS COL\_INDEX  ,'4.전체\_장기재고금액' AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,'' AS DIV\_NAME\_KO  ,'' AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  /\*INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)\*/  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV\_LONG\_TERM', 'INV\_LONG\_TERM\_MTL','INV\_LONG\_TERM\_AGING', 'INV\_LONG\_TERM\_3\_6', 'INV\_LONG\_TERM\_7\_12', 'INV\_LONG\_TERM\_13\_Over',  'INV\_LONG\_TERM\_MTL\_3\_6', 'INV\_LONG\_TERM\_MTL\_7\_12', 'INV\_LONG\_TERM\_MTL\_13\_Over')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 5.재고과다/재고부족\_재고일수  SELECT '5.재고과다/재고부족\_재고일수' AS COL\_INDEX  ,A.DIV\_CD AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,MAX(C2.KOR\_NM) AS DIV\_NAME\_KO  ,MAX(C2.ENG\_NM) AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)  LEFT OUTER JOIN ( -- 사업부  SELECT 'DIV' AS CODE\_TYPE  ,A.DISPLAY\_ORDER\_SEQ AS DISP\_SEQ  ,A.DIVISION\_CODE AS CODE  ,A.DISPLAY\_NAME AS KOR\_NM  ,A.DIVISION\_NAME AS ENG\_NM  ,A.COMPANY\_CODE AS REF\_CD  FROM IPTDW.IPTDW\_RES\_DIM\_COMM\_DIVISION A  WHERE A.BASIS\_YYYYMM = P\_DIV\_YYYYMM  AND A.USE\_FLAG = 'Y'  ) C2 ON (A.DIV\_CD = C2.CODE)  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV\_DIO')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 6.재고과다/재고부족\_재고금액  SELECT '6.재고과다/재고부족\_재고금액' AS COL\_INDEX  ,A.DIV\_CD AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,MAX(C2.KOR\_NM) AS DIV\_NAME\_KO  ,MAX(C2.ENG\_NM) AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)  LEFT OUTER JOIN ( -- 사업부  SELECT 'DIV' AS CODE\_TYPE  ,A.DISPLAY\_ORDER\_SEQ AS DISP\_SEQ  ,A.DIVISION\_CODE AS CODE  ,A.DISPLAY\_NAME AS KOR\_NM  ,A.DIVISION\_NAME AS ENG\_NM  ,A.COMPANY\_CODE AS REF\_CD  FROM IPTDW.IPTDW\_RES\_DIM\_COMM\_DIVISION A  WHERE A.BASIS\_YYYYMM = P\_DIV\_YYYYMM  AND A.USE\_FLAG = 'Y'  ) C2 ON (A.DIV\_CD = C2.CODE)  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 7.장기재고율\_장기재고금액  SELECT '7.장기재고율\_장기재고금액' AS COL\_INDEX  ,A.DIV\_CD AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,MAX(C2.KOR\_NM) AS DIV\_NAME\_KO  ,MAX(C2.ENG\_NM) AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)  LEFT OUTER JOIN ( -- 사업부  SELECT 'DIV' AS CODE\_TYPE  ,A.DISPLAY\_ORDER\_SEQ AS DISP\_SEQ  ,A.DIVISION\_CODE AS CODE  ,A.DISPLAY\_NAME AS KOR\_NM  ,A.DIVISION\_NAME AS ENG\_NM  ,A.COMPANY\_CODE AS REF\_CD  FROM IPTDW.IPTDW\_RES\_DIM\_COMM\_DIVISION A  WHERE A.BASIS\_YYYYMM = P\_DIV\_YYYYMM  AND A.USE\_FLAG = 'Y'  ) C2 ON (A.DIV\_CD = C2.CODE)  WHERE A.BASE\_YYYYMM BETWEEN TO\_CHAR(TO\_DATE(SUBSTR(P\_BASIS\_YYYYMM,1, 4), 'YYYY') - 4 YEAR, 'YYYY')||'01' AND TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'SMART\_INV'  AND A.KPI\_CD IN ('INV\_LONG\_TERM')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  UNION ALL  -- 7.장기재고율\_매출  SELECT '7.장기재고율\_매출' AS COL\_INDEX  ,A.DIV\_CD AS DIV\_CD  ,A.BASE\_YYYYMM AS BASIS\_YYYYMM  ,A.KPI\_CD AS KPI\_CD  ,SUM(A.CURRM\_USD\_AMT) AS AMOUNT  ,MAX(C2.KOR\_NM) AS DIV\_NAME\_KO  ,MAX(C2.ENG\_NM) AS DIV\_NAME\_EN  FROM IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY A  INNER JOIN IPTDW.IPTDW\_RES\_DIM\_CODES B  ON (B.CODE\_TYPE = (CASE WHEN P\_B2B\_B2C = 'B2B' THEN 'B2B\_DIV' WHEN P\_B2B\_B2C = 'B2C' THEN 'B2C\_DIV' ELSE B.CODE\_TYPE END)  AND A.DIV\_CD = B.CODE\_ID)  LEFT OUTER JOIN ( -- 사업부  SELECT 'DIV' AS CODE\_TYPE  ,A.DISPLAY\_ORDER\_SEQ AS DISP\_SEQ  ,A.DIVISION\_CODE AS CODE  ,A.DISPLAY\_NAME AS KOR\_NM  ,A.DIVISION\_NAME AS ENG\_NM  ,A.COMPANY\_CODE AS REF\_CD  FROM IPTDW.IPTDW\_RES\_DIM\_COMM\_DIVISION A  WHERE A.BASIS\_YYYYMM = P\_DIV\_YYYYMM  AND A.USE\_FLAG = 'Y'  ) C2 ON (A.DIV\_CD = C2.CODE)  WHERE A.BASE\_YYYYMM = TO\_CHAR(TO\_DATE(P\_BASIS\_YYYYMM, 'YYYYMM'), 'YYYYMM')  AND A.SUBSDR\_CD = P\_SUBSDR\_CD  AND A.SCENARIO\_TYPE\_CD = 'AC0'  AND A.CAT\_CD = 'BEP\_SMART\_DIV'  AND A.KPI\_CD IN ('SALE')  GROUP BY A.DIV\_CD, A.BASE\_YYYYMM, A.KPI\_CD  ) Z  GROUP BY Z.COL\_INDEX, Z.DIV\_CD, SUBSTR(Z.BASIS\_YYYYMM,1,4), Z.BASIS\_YYYYMM, Z.KPI\_CD  ORDER BY Z.COL\_INDEX, Z.DIV\_CD, SUBSTR(Z.BASIS\_YYYYMM,1,4), Z.BASIS\_YYYYMM, Z.KPI\_CD  WITH UR ; |
| **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 |
| IPTDW.IPTDW\_RES\_KPI\_SUBSDR\_CNTRY | Y |  |  |  |
| IPTDW.IPTDW\_RES\_DIM\_CORP\_DISPLAY\_MASTER | Y |  |  |  |
| IPTDW.IPTDW\_RES\_DIM\_COMM\_DIVISION | Y |  |  |  |
| IPTDW.IPTDW\_RES\_DIM\_CODES | Y |  |  |  |
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