

LIS

DL -> DC -> MDR LIS

DL (ODS) → DC () → MDR ()
 ↓ ↓ ↓
 LIS +

1.1

DL	LIS5_REQ_INFO	LIS5_INSPECT_SAMPLE
DC -	LIS_Sample_Main	LIS_Order_Main
DC -	LIS_Daily_Summary	DC
MDR	MDR_LIS_Monthly	DCSummary

1.2 vs

- - DL - - DC
 - DC - - DC DL

DC

2.1 DC

datacenter

1. Fee_BillDet_ChargeItemID
2. ID VARCHAR(60) FLOAT8 timestamp
- 3.
4. (ExtStr1-6, ExtNum1-2, ExtDate1-2)
- 5.

2.2

(inspection_id)	/	/	/	LIS
(req_id+item_id)	/	/	/	
(/)	/	/	/	
(Fee_BillDet_BillDetID)	/	/		

2.3 DC

-
-
-
-

3.1 DL

- LIS5_REQ_INFO -
- LIS5_INSPECT_SAMPLE -
- LIS_INSPECTION_SAMPLE_charge - ,
- LIS5_INSPECTION_RESULT -
- LIS5_inspection_report -

3.2 DC DC

3.2.1 DL->DC

DL

A. LIS_Sample_Main

DC

LIS_Sample_MainReqID(60)	LIS5_INSPECT_SAMPLE	
LIS_Sample_MainSampleID(10)	LIS5_INSPECT_SAMPLEID	
LIS_Sample_MainChargeID(10)	LIS5_INSPECT_SAMPLE	YYYYMMDD
LIS_Sample_MainPersID	LIS5_INSPECT_SAMPLEID	
LIS_Sample_MainVisitID	LIS5_INSPECT_SAMPLEID	

DC				
LIS_Sample_Main_MedOrgCode	VARCHAR(60)	LIS5_INSPECTEntSAMPLE	1=	2=
LIS_Sample_Main_MedOrgName	VARCHAR(100)	LIS5_INSPECTEntSAMPLE ID		
LIS_Sample_Main_EmpiID	INT8	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_EmpiNo	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_PersID	INT8	LIS5_INSPECTEntSAMPLE	01-09	
LIS_Sample_Main_PersNo	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_VisitID	INT8	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_VisitNo	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_VisitTypeID	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_VisitTypeCode	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_VisitTypeName	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_SampleID	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_SampleCode	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_SampleTypeID	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_SampleTypeCode	VARCHAR(60)	LIS5_INSPECTEntSAMPLE		
LIS_Sample_Main_SampleTypeName	VARCHAR(100)	LIS5_INSPECTEntSAMPLE		

```
--      -      DC
CREATE TABLE LIS_Sample_Main (
--
  LIS_Sample_Main_MedOrgCode VARCHAR(60) NOT NULL,
  LIS_Sample_Main_MedOrgName VARCHAR(100),
  LIS_Sample_Main_EmpiID INT8,
  LIS_Sample_Main_EmpiNo VARCHAR(60),
  LIS_Sample_Main_PersID INT8,
  LIS_Sample_Main_PersNo VARCHAR(60),
  LIS_Sample_Main_VisitID INT8,
  LIS_Sample_Main_VisitNo VARCHAR(60),
  LIS_Sample_Main_VisitTypeID VARCHAR(60),
  LIS_Sample_Main_VisitTypeCode VARCHAR(60),
  LIS_Sample_Main_VisitTypeName VARCHAR(60),
--
  LIS_Sample_Main_SampleID VARCHAR(60) PRIMARY KEY,
  LIS_Sample_Main_SampleCode VARCHAR(60),
  LIS_Sample_Main_SampleTypeID VARCHAR(60),
  LIS_Sample_Main_SampleTypeCode VARCHAR(60),
  LIS_Sample_Main_SampleTypeName VARCHAR(100),
--
```

```

LIS_Sample_Main_SampleStatusID VARCHAR(60),      -- ID
LIS_Sample_Main_SampleStatusCode VARCHAR(60),    --
LIS_Sample_Main_SampleStatusName VARCHAR(100),   --

--
LIS_Sample_Main_DeptID VARCHAR(60),              -- ID
LIS_Sample_Main_DeptCode VARCHAR(60),            --
LIS_Sample_Main_DeptName VARCHAR(100),           --
LIS_Sample_Main_ProfGroupID VARCHAR(60),          -- ID
LIS_Sample_Main_ProfGroupCode VARCHAR(60),        --
LIS_Sample_Main_ProfGroupName VARCHAR(100),       --

--
LIS_Sample_Main_InspectionDate VARCHAR(10),       -- (YYYYMMDD)
LIS_Sample_Main_RequisitionDtTm timestamp,        --
LIS_Sample_Main_SamplingDtTm timestamp,           --
LIS_Sample_Main_ReceiveDtTm timestamp,            --
LIS_Sample_Main_ReportDtTm timestamp,             --

--
LIS_Sample_Main_IsGoldenCard VARCHAR(1),          -- (Y/N)
LIS_Sample_Main_ChargeTypeID VARCHAR(60),         -- ID
LIS_Sample_Main_ChargeTypeCode VARCHAR(60),       --
LIS_Sample_Main_ChargeTypeName VARCHAR(100),      --

--
LIS_Sample_Main_InputPersID VARCHAR(60),          -- ID
LIS_Sample_Main_InputPersCode VARCHAR(60),        --
LIS_Sample_Main_InputPersName VARCHAR(100),       --
LIS_Sample_Main_InputDtTm timestamp,              --
LIS_Sample_Main_CheckPersID VARCHAR(60),          -- ID
LIS_Sample_Main_CheckPersCode VARCHAR(60),        --
LIS_Sample_Main_CheckPersName VARCHAR(100),       --
LIS_Sample_Main_CheckDtTm timestamp,              --

--
LIS_Sample_Main_ExtStr1 VARCHAR(200),             -- 1( )
LIS_Sample_Main_ExtStr2 VARCHAR(200),             -- 2( )
LIS_Sample_Main_ExtStr3 VARCHAR(200),             -- 3( )
LIS_Sample_Main_ExtStr4 VARCHAR(200),             -- 4( )
LIS_Sample_Main_ExtStr5 VARCHAR(200),             -- 5( )
LIS_Sample_Main_ExtStr6 VARCHAR(200),             -- 6( )

```

```

    LIS_Sample_Main_ExtNum1 FLOAT8,          -- 7( )
    LIS_Sample_Main_ExtNum2 FLOAT8,          -- 8( )
    LIS_Sample_Main_ExtDate1 timestamp,      -- 9( )
    LIS_Sample_Main_ExtDate2 timestamp,      -- 10( )

    --
    LIS_Sample_Main_DataSourceFlag VARCHAR(10), --
    LIS_Sample_Main_DSTable VARCHAR(60),      --
    LIS_Sample_Main_DSTableKey VARCHAR(200),  -- key
    LIS_Sample_Main_DSTableValue VARCHAR(200), -- key
    LIS_Sample_Main_IsDeleted INT8 DEFAULT 0,  --
    LIS_Sample_Main_LastUpdateDtTm timestamp DEFAULT GETDATE(), --
    LIS_Sample_Main_DataCreateDtTm timestamp DEFAULT GETDATE() --
);

```

B. LIS_Order_Main

DC

LIS_Order_Main_MedOrgCode	VARC	CHAR(60)	LIS5_REQINFO	hospital_ID	
LIS_Order_Main_DeptID	VARC	CHAR(60)	LIS5_REQINFO	req_id +	
			+	ITEM_ID	
					“ ” +
					ITEM_ID
LIS_Order_Main_HospID	VARC	CHAR(60)	LIS5_REQINFO	ID	
LIS_Order_Main_DeptID	VARC	CHAR(60)	LIS5_REQINFO	ID	
LIS_Order_Main_DeptID	VARC	CHAR(60)	LIS5_REQITEMID	ID	
LIS_Order_Main_DeptName	VARC	CHAR(100)	LIS5_REQITEM		
LIS_Order_Main_DeptDate	VARC	CHAR(10)	LIS5_REQINFO		YYYY-MM-DD
LIS_Order_Main_DeptName	VARC	CHAR(100)	LIS5_REQINFO		
LIS_Order_Main_DeptName	VARC	CHAR(100)	LIS5_REQINFO		
LIS_Order_Main_DeptID	VARC	CHAR(60)	LIS5_REQINFO	LIS_ID	ID
LIS_Order_Main_OrderCount	INT8			1	1

```

--
CREATE TABLE LIS_Order_Main (
    --
    LIS_Order_Main_MedOrgCode VARCHAR(60) NOT NULL, --

```

```

LIS_Order_Main_MedOrgName VARCHAR(100),      --
LIS_Order_Main_EmpiID INT8,                  -- ID
LIS_Order_Main_EmpiNo VARCHAR(60),          --
LIS_Order_Main_PersID INT8,                  -- ID
LIS_Order_Main_PersNo VARCHAR(60),          --
LIS_Order_Main_VisitID INT8,                 -- ID
LIS_Order_Main_VisitNo VARCHAR(60),         --
LIS_Order_Main_VisitTypeID VARCHAR(60),     -- ID
LIS_Order_Main_VisitTypeCode VARCHAR(60),   --
LIS_Order_Main_VisitTypeName VARCHAR(60),   --

--
LIS_Order_Main_OrderID VARCHAR(60) PRIMARY KEY, -- ID(req_id+item_id)
LIS_Order_Main_SampleID VARCHAR(60),         -- ID
LIS_Order_Main_ReqID VARCHAR(60),            -- ID
LIS_Order_Main_ItemID VARCHAR(60),           -- ID
LIS_Order_Main_ItemCode VARCHAR(60),         --
LIS_Order_Main_ItemName VARCHAR(100),        --
LIS_Order_Main_ItemClassID VARCHAR(60),      -- ID
LIS_Order_Main_ItemClassName VARCHAR(100),   --

--
LIS_Order_Main_OrderStatusID VARCHAR(60),    -- ID
LIS_Order_Main_OrderStatusCode VARCHAR(60),  --
LIS_Order_Main_OrderStatusName VARCHAR(100), --
LIS_Order_Main_OrderCount INT8 DEFAULT 1,    --

--
LIS_Order_Main_DeptID VARCHAR(60),           -- ID
LIS_Order_Main_DeptCode VARCHAR(60),         --
LIS_Order_Main_DeptName VARCHAR(100),        --
LIS_Order_Main_ProfGroupID VARCHAR(60),      -- ID
LIS_Order_Main_ProfGroupCode VARCHAR(60),    --
LIS_Order_Main_ProfGroupName VARCHAR(100),   --

--
LIS_Order_Main_OrderDate VARCHAR(10),        --
LIS_Order_Main_OrderDtTm timestamp,          --
LIS_Order_Main_ExecDtTm timestamp,          --

--
LIS_Order_Main_ExtStr1 VARCHAR(200),         -- 1( )

```

```

    LIS_Order_Main_ExtStr2 VARCHAR(200),          -- 2( )
    LIS_Order_Main_ExtStr3 VARCHAR(200),          -- 3( )
    LIS_Order_Main_ExtStr4 VARCHAR(200),          -- 4( )
    LIS_Order_Main_ExtStr5 VARCHAR(200),          -- 5( )
    LIS_Order_Main_ExtStr6 VARCHAR(200),          -- 6( )
    LIS_Order_Main_ExtNum1 FLOAT8,                 -- 7( )
    LIS_Order_Main_ExtNum2 FLOAT8,                 -- 8( )
    LIS_Order_Main_ExtDate1 timestamp,             -- 9( )
    LIS_Order_Main_ExtDate2 timestamp,             -- 10( )

    --
    LIS_Order_Main_DataSourceFlag VARCHAR(10),      --
    LIS_Order_Main_DSTable VARCHAR(60),            --
    LIS_Order_Main_DSTableKey VARCHAR(200),         --      key
    LIS_Order_Main_DSTableValue VARCHAR(200),       --      key
    LIS_Order_Main_IsDeleted INT8 DEFAULT 0,        --
    LIS_Order_Main_LastUpdateDtTm timestamp DEFAULT GETDATE(), --
    LIS_Order_Main_DataCreateDtTm timestamp DEFAULT GETDATE() --
);

```

C. LIS_Work_Record

DC

LIS_Work_Record	CHAR(60)	LIS5_INSPECT	SAMPLE	
LIS_Work_Record	CHAR(60)	LIS5_INSPECT	SAMPLE ID	inspection_id
		+		+
				"_REG/RPT"
LIS_Work_Record	CHAR(10)	LIS5_INSPECT	SAMPLEID	
LIS_Work_Record	CHAR(10)	LIS5_INSPECT	SAMPLE	YYYYMMDD
LIS_Work_Record	CHAR(60)	Code	REG/RPT	REG= RPT=
LIS_Work_Record	CHAR(100)	Name	/	
LIS_Work_Record	CHAR(100)	LIS5_INSPECT	GROUPSAMPLE	
LIS_Work_Record	CHAR(60)	LIS5_INSPECT	EntSAMPLEID	
LIS_Work_Record	INT8	WorkCount	1	1
LIS_Work_Record	CHAR(100)	LIS5_INSPECT	SAMPLE/	check_person
LIS_Work_Record	timestamp	LIS5_INSPECT	SAMPLE	check_time

```

--
CREATE TABLE LIS_Work_Record (
--
    LIS_Work_Record_MedOrgCode VARCHAR(60) NOT NULL, --
    LIS_Work_Record_MedOrgName VARCHAR(100), --

--
    LIS_Work_Record_WorkID VARCHAR(60) PRIMARY KEY, -- ID
    LIS_Work_Record_SampleID VARCHAR(60), -- ID
    LIS_Work_Record_WorkTypeID VARCHAR(60), -- ID
    LIS_Work_Record_WorkTypeCode VARCHAR(60), -- (REG/RPT)
    LIS_Work_Record_WorkTypeName VARCHAR(100), -- ( / )
    LIS_Work_Record_WorkCount INT8 DEFAULT 1, --

--
    LIS_Work_Record_DeptID VARCHAR(60), -- ID
    LIS_Work_Record_DeptCode VARCHAR(60), --
    LIS_Work_Record_DeptName VARCHAR(100), --
    LIS_Work_Record_ProfGroupID VARCHAR(60), -- ID
    LIS_Work_Record_ProfGroupCode VARCHAR(60), --
    LIS_Work_Record_ProfGroupName VARCHAR(100), --

--
    LIS_Work_Record_OperatorID VARCHAR(60), -- ID
    LIS_Work_Record_OperatorCode VARCHAR(60), --
    LIS_Work_Record_OperatorName VARCHAR(100), --

--
    LIS_Work_Record_WorkDate VARCHAR(10), --
    LIS_Work_Record_WorkDtTm timestamp, --

--
    LIS_Work_Record_ExtStr1 VARCHAR(200), -- 1( )
    LIS_Work_Record_ExtStr2 VARCHAR(200), -- 2( )
    LIS_Work_Record_ExtStr3 VARCHAR(200), -- 3( )
    LIS_Work_Record_ExtStr4 VARCHAR(200), -- 4( )
    LIS_Work_Record_ExtStr5 VARCHAR(200), -- 5( )
    LIS_Work_Record_ExtStr6 VARCHAR(200), -- 6( )
    LIS_Work_Record_ExtNum1 FLOAT8, -- 7( )
    LIS_Work_Record_ExtNum2 FLOAT8, -- 8( )
    LIS_Work_Record_ExtDate1 timestamp, -- 9( )
    LIS_Work_Record_ExtDate2 timestamp, -- 10( )

```

DC

LIS_Daily_Summary_GoldenCardSampleCount
INT8
WHERE
IsGolden-
Card='Y'

```
-- LIS
CREATE TABLE LIS_Daily_Summary (
    LIS_Daily_Summary_SummaryID VARCHAR(60) PRIMARY KEY,      -- ID
    LIS_Daily_Summary_MedOrgCode VARCHAR(60) NOT NULL,        --
    LIS_Daily_Summary_SummaryDate VARCHAR(10) NOT NULL,        --
    LIS_Daily_Summary_DeptID VARCHAR(60),                      -- ID
    LIS_Daily_Summary_DeptName VARCHAR(100),                   --
    LIS_Daily_Summary_ProfGroupCode VARCHAR(60),               --
    LIS_Daily_Summary_ProfGroupName VARCHAR(100),              --

    --
    LIS_Daily_Summary_SampleCount INT8 DEFAULT 0,              --
    LIS_Daily_Summary_OrderCount INT8 DEFAULT 0,               --
    LIS_Daily_Summary_WorkCount INT8 DEFAULT 0,                --
    LIS_Daily_Summary_RegisterCount INT8 DEFAULT 0,            --
    LIS_Daily_Summary_ReportCount INT8 DEFAULT 0,              --
    LIS_Daily_Summary_GoldenCardSampleCount INT8 DEFAULT 0,    --

    --
    LIS_Daily_Summary_DataSourceFlag VARCHAR(10),              --
    LIS_Daily_Summary_IsDeleted INT8 DEFAULT 0,                 --
    LIS_Daily_Summary_LastUpdateDtTm timestamp DEFAULT GETDATE(), --
    LIS_Daily_Summary_DataCreateDtTm timestamp DEFAULT GETDATE() --
);
```

3.3

LIS Fee_BillDet ID LIS

4.1 DL -> DC

DL DC

4.1.1

```
--      DC      DC
INSERT INTO LIS_Sample_Main (
    LIS_Sample_Main_MedOrgCode,
    LIS_Sample_Main_MedOrgName,
    LIS_Sample_Main_SampleID,
    LIS_Sample_Main_InspectionDate,
    LIS_Sample_Main_PersID,
    LIS_Sample_Main_VisitID,
    LIS_Sample_Main_VisitNo,
    LIS_Sample_Main_VisitTypeName,
    LIS_Sample_Main_DeptID,
    LIS_Sample_Main_DeptName,
    LIS_Sample_Main_ProfGroupCode,
    LIS_Sample_Main_ProfGroupName,
    LIS_Sample_Main_SampleTypeName,
    LIS_Sample_Main_RequisitionDtTm,
    LIS_Sample_Main_SamplingDtTm,
    LIS_Sample_Main_ReceiveDtTm,
    LIS_Sample_Main_ReportDtTm,
    LIS_Sample_Main_SampleStatusName,
    LIS_Sample_Main_IsGoldenCard,
    LIS_Sample_Main_InputPersName,
    LIS_Sample_Main_InputDtTm,
    LIS_Sample_Main_CheckPersName,
    LIS_Sample_Main_CheckDtTm,
    LIS_Sample_Main_DataSourceFlag
)
SELECT
    s.hospital_ID as LIS_Sample_Main_MedOrgCode,
    s.hospital_ID as LIS_Sample_Main_MedOrgName,
    s.inspection_id as LIS_Sample_Main_SampleID,
    s.inspection_date as LIS_Sample_Main_InspectionDate,
    s.patient_id as LIS_Sample_Main_PersID,
    s.outpatient_id as LIS_Sample_Main_VisitID,
```

```

s.outpatient_id as LIS_Sample_Main_VisitNo,
CASE s.patient_type
    WHEN '1' THEN ' '
    WHEN '2' THEN ' '
    ELSE ' ' END as LIS_Sample_Main_VisitTypeName,
s.patient_dept as LIS_Sample_Main_DeptID,
s.patient_dept_name as LIS_Sample_Main_DeptName,
s.GROUP_ID as LIS_Sample_Main_ProfGroupCode,
CASE s.GROUP_ID
    WHEN '01' THEN ' '
    WHEN '02' THEN ' '
    WHEN '03' THEN ' '
    WHEN '04' THEN ' '
    WHEN '05' THEN ' '
    WHEN '06' THEN ' '
    WHEN '07' THEN ' '
    WHEN '08' THEN ' '
    WHEN '09' THEN ' '
    ELSE ' ' END as LIS_Sample_Main_ProfGroupName,
s.sample_class as LIS_Sample_Main_SampleTypeName,
s.Requisition_time as LIS_Sample_Main_RequisitionDtTm,
s.sampling_time as LIS_Sample_Main_SamplingDtTm,
s.incept_time as LIS_Sample_Main_ReceivedDtTm,
s.check_time as LIS_Sample_Main_ReportDtTm,
s.inspection_state as LIS_Sample_Main_SampleStatusName,
CASE WHEN s.charge_type LIKE '% %' THEN 'Y' ELSE 'N' END as LIS_Sample_Main_IsGoldenCard,
s.input_person as LIS_Sample_Main_InputPersName,
s.input_time as LIS_Sample_Main_InputDtTm,
s.check_person as LIS_Sample_Main_CheckPersName,
s.check_time as LIS_Sample_Main_CheckDtTm,
'LIS' as LIS_Sample_Main_DataSourceFlag
FROM LIS5_INSPECT_SAMPLE s
WHERE s.inspection_date >= FORMAT DATEADD(MONTH, -13, GETDATE()), 'yyyyMMdd');

```

4.1.2

```

--      DC
INSERT INTO LIS_Order_Main (
    LIS_Order_Main_MedOrgCode,
    LIS_Order_Main_OrderID,
    LIS_Order_Main_SampleID,

```

```

        LIS_Order_Main_ReqID,
        LIS_Order_Main_ItemID,
        LIS_Order_Main_ItemName,
        LIS_Order_Main_OrderDate,
        LIS_Order_Main_OrderStatusName,
        LIS_Order_Main_ProfGroupName,
        LIS_Order_Main_DeptID,
        LIS_Order_Main_OrderCount,
        LIS_Order_Main_DataSourceFlag
    )
SELECT
    r.hospital_ID as LIS_Order_Main_MedOrgCode,
    CONCAT(r.req_id, '_', ri.ITEM_ID) as LIS_Order_Main_OrderID,
    r.req_id as LIS_Order_Main_SampleID,
    r.req_id as LIS_Order_Main_ReqID,
    ri.ITEM_ID as LIS_Order_Main_ItemID,
    ri.item_cname as LIS_Order_Main_ItemName,
    r.req_DATE as LIS_Order_Main_OrderDate,
    r.req_state as LIS_Order_Main_OrderStatusName,
    CASE r.inspect_dept
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        WHEN ' ' THEN ' '
        ELSE ' ' END as LIS_Order_Main_ProfGroupName,
    r.dept_LIS_ID as LIS_Order_Main_DeptID,
    1 as LIS_Order_Main_OrderCount,
    'LIS' as LIS_Order_Main_DataSourceFlag
FROM LIS5_REQ_INFO r
INNER JOIN LIS5_REQ_ITEM ri ON r.req_id = ri.req_id
WHERE r.req_DATE >= FORMAT DATEADD(MONTH, -13, GETDATE()), 'yyyy-MM-dd');

```

4.1.3

```

--      +
INSERT INTO LIS_Work_Record (
    LIS_Work_Record_MedOrgCode,

```

```

    LIS_Work_Record_WorkID,
    LIS_Work_Record_SampleID,
    LIS_Work_Record_WorkDate,
    LIS_Work_Record_WorkTypeCode,
    LIS_Work_Record_WorkTypeName,
    LIS_Work_Record_ProfGroupName,
    LIS_Work_Record_DeptID,
    LIS_Work_Record_WorkCount,
    LIS_Work_Record_OperatorName,
    LIS_Work_Record_WorkDtTm,
    LIS_Work_Record_DataSourceFlag
)
SELECT
    s.hospital_ID as LIS_Work_Record_MedOrgCode,
    CONCAT(s.inspection_id, '_REG') as LIS_Work_Record_WorkID,
    s.inspection_id as LIS_Work_Record_SampleID,
    s.inspection_date as LIS_Work_Record_WorkDate,
    'REG' as LIS_Work_Record_WorkTypeCode,
    ' ' as LIS_Work_Record_WorkTypeName,
    CASE s.GROUP_ID
        WHEN '01' THEN ' '
        WHEN '02' THEN ' '
        WHEN '03' THEN ' '
        WHEN '04' THEN ' '
        WHEN '05' THEN ' '
        WHEN '06' THEN ' '
        WHEN '07' THEN ' '
        WHEN '08' THEN ' '
        WHEN '09' THEN ' '
        ELSE ' ' END as LIS_Work_Record_ProfGroupName,
    s.patient_dept as LIS_Work_Record_DeptID,
    1 as LIS_Work_Record_WorkCount,
    s.input_person as LIS_Work_Record_OperatorName,
    s.input_time as LIS_Work_Record_WorkDtTm,
    'LIS' as LIS_Work_Record_DataSourceFlag
FROM LIS5_INSPECT_SAMPLE s
WHERE s.input_time IS NOT NULL
    AND s.inspection_date >= FORMAT DATEADD(MONTH, -13, GETDATE()), 'yyyyMMdd')

UNION ALL

--

```

```

SELECT
    s.hospital_ID as LIS_Work_Record_MedOrgCode,
    CONCAT(s.inspection_id, '_RPT') as LIS_Work_Record_WorkID,
    s.inspection_id as LIS_Work_Record_SampleID,
    s.inspection_date as LIS_Work_Record_WorkDate,
    'RPT' as LIS_Work_Record_WorkTypeCode,
    ' ' as LIS_Work_Record_WorkTypeName,
    CASE s.GROUP_ID
        WHEN '01' THEN ' '
        WHEN '02' THEN ' '
        WHEN '03' THEN ' '
        WHEN '04' THEN ' '
        WHEN '05' THEN ' '
        WHEN '06' THEN ' '
        WHEN '07' THEN ' '
        WHEN '08' THEN ' '
        WHEN '09' THEN ' '
        ELSE ' ' END as LIS_Work_Record_ProfGroupName,
    s.patient_dept as LIS_Work_Record_DeptID,
    1 as LIS_Work_Record_WorkCount,
    s.check_person as LIS_Work_Record_OperatorName,
    s.check_time as LIS_Work_Record_WorkDtTm,
    'LIS' as LIS_Work_Record_DataSourceFlag
FROM LIS5_INSPECT_SAMPLE s
WHERE s.check_time IS NOT NULL
    AND s.inspection_date >= FORMAT(DATEADD(MONTH, -13, GETDATE()), 'yyyyMMdd');

```

4.2 DC -> DC

DC DC

4.2.1

```

-- LIS                  DC
INSERT INTO LIS_Daily_Summary (
    LIS_Daily_Summary_SummaryID,
    LIS_Daily_Summary_MedOrgCode,
    LIS_Daily_Summary_SummaryDate,
    LIS_Daily_Summary_DeptID,
    LIS_Daily_Summary_DeptName,
    LIS_Daily_Summary_ProfGroupCode,

```

```

        LIS_Daily_Summary_ProfGroupName,
        LIS_Daily_Summary_SampleCount,
        LIS_Daily_Summary_OrderCount,
        LIS_Daily_Summary_WorkCount,
        LIS_Daily_Summary_RegisterCount,
        LIS_Daily_Summary_ReportCount,
        LIS_Daily_Summary_GoldenCardSampleCount,
        LIS_Daily_Summary_DataSourceFlag
    )
SELECT
    CONCAT(
        COALESCE(s.LIS_Sample_Main_MedOrgCode, ''), '_ ',
        COALESCE(s.LIS_Sample_Main_InspectionDate, ''), '_ ',
        COALESCE(s.LIS_Sample_Main_DeptID, ''), '_ ',
        COALESCE(s.LIS_Sample_Main_ProfGroupCode, '')
    ) as LIS_Daily_Summary_SummaryID,
    s.LIS_Sample_Main_MedOrgCode as LIS_Daily_Summary_MedOrgCode,
    s.LIS_Sample_Main_InspectionDate as LIS_Daily_Summary_SummaryDate,
    s.LIS_Sample_Main_DeptID as LIS_Daily_Summary_DeptID,
    s.LIS_Sample_Main_DeptName as LIS_Daily_Summary_DeptName,
    s.LIS_Sample_Main_ProfGroupCode as LIS_Daily_Summary_ProfGroupCode,
    s.LIS_Sample_Main_ProfGroupName as LIS_Daily_Summary_ProfGroupName,
    COUNT(DISTINCT s.LIS_Sample_Main_SampleID) as LIS_Daily_Summary_SampleCount,
    COALESCE(o.order_count, 0) as LIS_Daily_Summary_OrderCount,
    COALESCE(w.work_count, 0) as LIS_Daily_Summary_WorkCount,
    COALESCE(w.register_count, 0) as LIS_Daily_Summary_RegisterCount,
    COALESCE(w.report_count, 0) as LIS_Daily_Summary_ReportCount,
    SUM(CASE WHEN s.LIS_Sample_Main_IsGoldenCard = 'Y' THEN 1 ELSE 0 END) as LIS_Daily_Summary_GoldenCardSampleCount,
    'DC_AGG' as LIS_Daily_Summary_DataSourceFlag
FROM LIS_Sample_Main s
LEFT JOIN (
    --
    SELECT
        LIS_Order_Main_SampleID,
        SUM(LIS_Order_Main_OrderCount) as order_count
    FROM LIS_Order_Main
    GROUP BY LIS_Order_Main_SampleID
) o ON s.LIS_Sample_Main_SampleID = o.LIS_Order_Main_SampleID
LEFT JOIN (
    --
    SELECT
        LIS_Work_Record_SampleID,

```



```

SUM(LIS_Work_Record_WorkCount) as work_count,
SUM(CASE WHEN LIS_Work_Record_WorkTypeCode = 'REG' THEN LIS_Work_Record_WorkCount ELSE 0 END) as reg_count,
SUM(CASE WHEN LIS_Work_Record_WorkTypeCode = 'RPT' THEN LIS_Work_Record_WorkCount ELSE 0 END) as rpt_count
FROM LIS_Work_Record
GROUP BY LIS_Work_Record_SampleID
) w ON s.LIS_Sample_Main_SampleID = w.LIS_Work_Record_SampleID
WHERE s.LIS_Sample_Main_InspectionDate >= FORMAT(DATEADD(DAY, -1, GETDATE()), 'yyyyMMdd')
GROUP BY
s.LIS_Sample_Main_MedOrgCode,
s.LIS_Sample_Main_InspectionDate,
s.LIS_Sample_Main_DeptID,
s.LIS_Sample_Main_DeptName,
s.LIS_Sample_Main_ProfGroupCode,
s.LIS_Sample_Main_ProfGroupName,
o.order_count,
w.work_count,
w.register_count,
w.report_count;

```

4.3 DC -> MDR

4.3.1 MDR_LIS_Monthly_Summary LIS

MDR				
Summary_ID	VARCHAR(50)	+	+	+
Hospital_ID	VARCHAR(20)	LIS_Daily_Summary	ID	
Summary_Date	VARCHAR(7)	LIS_Daily_Summary		YYYY-MM
Dept_ID	VARCHAR(20)	LIS_Daily_Summary	ID	
Dept_Name	VARCHAR(50)	LIS_Daily_Summary		
Professional_Group	VARCHAR(20)	LIS_Daily_Summary		
Sample_Count	INT	LIS_Daily_Summary	SUM(SampleCount)	
Order_Count	INT	LIS_Daily_Summary	SUM(OrderCount)	
Work_Count	INT	LIS_Daily_Summary	SUM(WorkCount)	
Register_Count	INT	LIS_Daily_Summary	SUM(RegisterCount)	
Report_Count	INT	LIS_Daily_Summary	SUM(ReportCount)	
Golden_Card_Sample_Count	INT	LIS_Daily_Summary	SUM(GoldenCardSampleCount)	

```

-- LIS
CREATE TABLE MDR_LIS_Monthly_Summary (
    Summary_ID VARCHAR(50) PRIMARY KEY,          -- ID
    Hospital_ID VARCHAR(20),                      -- ID
    Summary_Date VARCHAR(7),                      -- (YYYY-MM)
    Dept_ID VARCHAR(20),                          -- ID
    Dept_Name VARCHAR(50),                        --
    Professional_Group VARCHAR(20),              --

    --      DC
    Sample_Count INT DEFAULT 0,                  --
    Order_Count INT DEFAULT 0,                   --
    Work_Count INT DEFAULT 0,                    --      +

    --
    Register_Count INT DEFAULT 0,                --
    Report_Count INT DEFAULT 0,                  --
    Golden_Card_Sample_Count INT DEFAULT 0,      --

    --
    Last_Year_Same_Month VARCHAR(7),             --
    Last_Month VARCHAR(7),                       --

    Create_Time DATETIME DEFAULT GETDATE(),
    Update_Time DATETIME DEFAULT GETDATE()
);

```

```

-- MDR      DC
INSERT INTO MDR_LIS_Monthly_Summary (
    Summary_ID,
    Hospital_ID,
    Summary_Date,
    Dept_ID,
    Dept_Name,
    Professional_Group,
    Sample_Count,
    Order_Count,
    Work_Count,
    Register_Count,
    Report_Count,

```

```

        Golden_Card_Sample_Count
    )
SELECT
    CONCAT(
        LIS_Daily_Summary_MedOrgCode, '_',
        LEFT(LIS_Daily_Summary_SummaryDate, 6), '-', -- YYYYMM
        COALESCE(LIS_Daily_Summary_DeptID, ''), '-',
        COALESCE(LIS_Daily_Summary_ProfGroupCode, '')
    ) as Summary_ID,
    LIS_Daily_Summary_MedOrgCode as Hospital_ID,
    CONCAT(LEFT(LIS_Daily_Summary_SummaryDate, 4), '-', SUBSTRING(LIS_Daily_Summary_SummaryDate, 5, 6)) as SummaryDate_ID,
    LIS_Daily_Summary_DeptID as Dept_ID,
    LIS_Daily_Summary_DeptName as Dept_Name,
    LIS_Daily_Summary_ProfGroupName as Professional_Group,
    SUM(LIS_Daily_Summary_SampleCount) as Sample_Count,
    SUM(LIS_Daily_Summary_OrderCount) as Order_Count,
    SUM(LIS_Daily_Summary_WorkCount) as Work_Count,
    SUM(LIS_Daily_Summary_RegisterCount) as Register_Count,
    SUM(LIS_Daily_Summary_ReportCount) as Report_Count,
    SUM(LIS_Daily_Summary_GoldenCardSampleCount) as Golden_Card_Sample_Count
FROM LIS_Daily_Summary
WHERE LIS_Daily_Summary_SummaryDate >= FORMAT(DATEADD(MONTH, -13, GETDATE()), 'yyyyMMdd')
GROUP BY
    LIS_Daily_Summary_MedOrgCode,
    LEFT(LIS_Daily_Summary_SummaryDate, 6),
    LIS_Daily_Summary_DeptID,
    LIS_Daily_Summary_DeptName,
    LIS_Daily_Summary_ProfGroupCode,
    LIS_Daily_Summary_ProfGroupName;

```

5.1

5.1.1 DC

	(inspection_id)	LIS_Sample_Main	ID	
	(req_id+item_id)	LIS_Order_Main		=1
+	(/)	LIS_Work_Record	+	

5.1.2 DC

	+	+	COUNT(DISTINCT LIS_Sample_Main SampleID)
	+	+	SUM(OrderCount) LIS_Order_Main
	+	+	SUM(WorkCount) LIS_Work_Record

5.1.3 MDR

	+	+	SUM(SampleCount) LIS_Daily_Summary
	+	+	SUM(OrderCount) LIS_Daily_Summary
	+	+	SUM(WorkCount) LIS_Daily_Summary

5.2

- MedOrgCode
-
-

6.1

- DL -> DC : 2
- DC -> DC : 3
- DC -> MDR: 4
- : 13

6.2

- : MedOrgCode
- :
- :

6.3

- :
- :
- :
- :

7.1 DC

- 1.
2. ID VARCHAR(60) INT8 timestamp
3. 6 +2 +2
- 4.

7.2

- 1.
- 2.
- 3.
- 4.

7.3

1. MedOrgCode
- 2.
- 3.
- 4.

7.4

- 1.
- 2.
- 3.
4. DL MDR

datacenter

LIS