

## Institution Code

### Summary

**Receive Institution Code** is composed of the function to reflect the changes of **institutional code** in the system regularly and to manage such changes.

### Description

### Package Dependency

Receive Institution Code package has direct functional dependency to the common package (cmm) of element technology only.

- Package Dependency: [System Management Package Dependency](#)

### Related Source

Type	Source	Remarks
Controller	egovframework.com.sym.ccm.icr.web.EgovInsttCodeRecptnController.java	Controller class for Receive Legal dong Code Management
Service	egovframework.com.sym.ccm.icr.service.EgovInsttCodeRecptnService.java	Service Interface for Receive Legal dong Code Management
ServiceImpl	egovframework.com.sym.ccm.icr.service.impl.EgovInsttCodeRecptnServiceImpl.java	Service implementation class for Receive Legal dong Code Management
Model	egovframework.com.sym.ccm.icr.service.InsttCodeRecptn.java	Receive Institution Code information Model class
VO	egovframework.com.sym.ccm.icr.service.InsttCodeRecptnVO.java	VO class for Receive Legal dong Code Management
DAO	egovframework.com.sym.ccm.icr.service.impl.InsttCodeRecptnDAO.java	Data processing class for Receive Institution Code information management
JSP	/WEB-INF/jsp/egovframework/sym/ccm/icr/EgovInsttCodeRecptnList.jsp	Receive Institution Code list inquiry page
JSP	/WEB-INF/jsp/egovframework/sym/ccm/icr/EgovInsttCodeDetail.jsp	Institutional code detail inquiry page
QUERY XML	resources/egovframework/sqlmap/com/sym/ccm/icr/EgovInsttCodeRecptn_SQL_Mysql.xml	Institution code MySQL based QUERY XML
QUERY XML	resources/egovframework/sqlmap/com/sym/ccm/icr/EgovInsttCodeRecptn_SQL_Oracle.xml	Institution code Oracle based QUERY XML
QUERY XML	resources/egovframework/sqlmap/com/sym/ccm/icr/EgovInsttCodeRecptn_SQL_Tibero.xml	Institution code Tibero based QUERY XML
QUERY XML	resources/egovframework/sqlmap/com/sym/ccm/icr/EgovInsttCodeRecptn_SQL_Altibase.xml	Institution code Altibase based QUERY XML
Idgen XML	resources/egovframework/spring/context-idgen.xml	Administration code Id generation Idgen XML

### Class Diagram



- To utilize ID Generation Service, **INSTT\_CODE\_OPERT** is added to the Sequence storage table, COMTECOPSEQ.

```
CREATE TABLE COMTECOPSEQ ( table_name varchar(16) NOT NULL,
    next_id DECIMAL(30) NOT NULL,
    PRIMARY KEY (table_name));
INSERT INTO COMTECOPSEQ VALUES('INSTT_CODE_OPERT','0');
```

### ID Generation Configuration(context-idgen.xml)

```
<bean name="egovInsttCodeRecptnIdGnrService"
    class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
    destroy-method="destroy">
    <property name="dataSource" ref="egov.dataSource" />
    <property name="blockSize" value="1"/>
    <property name="table" value="COMTECOPSEQ"/>
    <property name="tableName" value="INSTT_CODE_OPERT"/>
</bean>
```

### Related Table

Table Name	Table Name(English)	Remarks
Institute Code	COMTNINSTTCODE	Information for institute code
Institute Code Reception Log	COMTNINSTTCODERECPTNLOG	Information for institute code reception log

### Configuration

To use Receive Institution Code, information required for EDI module implementation should be set.

To designate this, set the additional property file to globals.properties property file.

See [Element Technology Property and Command Shell Script](#) for contents related to globals.properties.

...

```
# For Institute Code Reception
CNTC.INSTTCODE.DIR.rcv      = /home/gccedi/rcv/
CNTC.INSTTCODE.DIR.rcvold  = /home/gccedi/rcvold/
CNTC.INSTTCODE.DIR.bin     = /home/gccedi/bin/
```

```
CNTC.INSTTCODE.CMD.edircv   = gcc_edircv
CNTC.INSTTCODE.CMD.edircvmsg = gcc_edircvmsg
```

```
CNTC.INSTTCODE.INFO.userid  = Server Authentication ID
CNTC.INSTTCODE.INFO.userpw  = Server Authentication Password
```

...

- cmd file is **execution binary** file or **shell script** file may appear depending on EDI module.

### Receive Institution Code Scheduler Registration

Receive Legal dong Code and Reflect are reflected through scheduler. To register relevant scheduler, register the scheduler using ../spring/context-scheduling.xml(example) as shown below.

```
<!--Institute Code Reception Processing -->
<bean id="insttCodeReceiver"
```

```

class="org.springframework.scheduling.quartz.MethodInvokingJobDetailFactoryBean">
  <property name="targetObject" ref="InsttCodeRecptnService" />
  <property name="targetMethod" value="insertInsttCodeRecptn" />
  <property name="concurrent" value="false" />
</bean>

<bean id="insttCodeReceiverTrigger"
  class="org.springframework.scheduling.quartz.SimpleTriggerBean">
  <property name="jobDetail" ref="insttCodeReceiver" />
  <!--Execute in 1 minute after start. (milisecond) -->
  <property name="startDelay" value="60000" />
  <!--Execute in every 60 seconds. (milisecond) continue to operate in demon type -->
  <property name="repeatInterval" value="60000" />
</bean>

<bean id="insttCodeReceiverScheduler"
class="org.springframework.scheduling.quartz.SchedulerFactoryBean">
  <property name="triggers">
    <list>
      <ref bean="insttCodeReceiverTrigger" />
    </list>
  </property>
</bean>

```

## Related Code

Institution code is composed of **Receive Institution Code, Receive Legal dong Code List Inquiry, Institution Code Detail Inquiry function**

### Receive Institution Code

At connection with Receive Institution Code, connection items such as DB, Model, ServiceImpl... should be updated depending on connection item.

- ServiceImpl example

...

```

// Actual Connection Item Mapping Task
insttCodeRecptn.setChangeSeCode (strTmp ); //
Command :: Change Classification Code
insttCodeRecptn.setOccrrDe (tokenData[ 1]); // Date ::
Date of Occurrence
insttCodeRecptn.setEtcCode (tokenData[ 2]); // 2 Digit Code <Application: Other
Code> :: Other Code
insttCodeRecptn.setInsttCode (tokenData[ 3]); // Institute
code :: Institute code
insttCodeRecptn.setAllInsttNm (tokenData[ 4]); // Institute
Name(total) :: Total Institute Name
insttCodeRecptn.setLowestInsttNm (tokenData[ 5]); // Institute
Name(lowest) :: Lowest Institute Name
insttCodeRecptn.setInsttAbrvNm (tokenData[ 6]); // Institute
Name(Abbreviation) :: Institute Alias Name
insttCodeRecptn.setOdr (tokenData[ 7]); // Degree ::
Degree
insttCodeRecptn.setOrd (tokenData[ 8]); // Rank ::
Rank
insttCodeRecptn.setInsttOdr (tokenData[ 9]); // Institute
Degree :: Institute Degree
insttCodeRecptn.setUpperInsttCode (tokenData[10]); // Next Upper Institute
Code :: Upper Institute Code

```

```

    insttCodeRecptn.setBestInsttCode (tokenData[11]); // Highest Institute
Code      :: Highest Institute Code
    insttCodeRecptn.setReprsntInsttCode (tokenData[12]); // Representative Institute
Code      :: Representative Institute Code
    insttCodeRecptn.setInsttTyLclas (tokenData[13]); // Institute
Type(Big) :: Institute Type Top-level classification
    insttCodeRecptn.setInsttTyMclas (tokenData[14]); // Institute
Type(Middle) :: Institute Type Middle-level classification
    insttCodeRecptn.setInsttTySclas (tokenData[15]); // Institute
Type(Small) :: Institute Type Bottom-Middle-level classification
    insttCodeRecptn.setTelno (tokenData[16]); // Telephone ::
Telephone
    insttCodeRecptn.setFxnum (tokenData[17]); // Fax
Number    :: Fax Number
    insttCodeRecptn.setCreatDe (tokenData[18]); // Date of
Creation  :: Date of Creation
    insttCodeRecptn.setAblDe (tokenData[19]); // Date of
Disuse    :: Date of Disuse
    insttCodeRecptn.setAblEnnc (tokenData[20]); // Disuse or
not       :: Disuse or not
    insttCodeRecptn.setChangede (tokenData[21]); // Date of
Change    :: Date of Change
    insttCodeRecptn.setChangeTime (tokenData[22]); // Time of
Change    :: Time of Change
    insttCodeRecptn.setBsisDe (tokenData[23]); // Basic Date ::
Basic Date
    insttCodeRecptn.setSortOrdr (Integer.parseInt(tokenData[24]));
// Tree Order(Tree Order) <Application:
Arrangement Order> :: Arrangement Order

```

...

## Receive Institution Code List Inquiry

### Business Rule

Receive Institution Code List is inquired by 10 items per page. The paging consists of 10 pages. The condition of search is implemented by Receive Institution Code Name.

### Related Code

N/A

### Screen and execution manual

Action	URL	Controller method	QueryID
List Inquiry	/sym/ccm/icr/getInsttCodeRecptnList.do	selectInsttCodeRecptnList	"InsttCodeRecptnDAO.selectInsttCodeRecptnList"
			"InsttCodeRecptnDAO.selectInsttCodeRecptnListTotCnt"

To change the scope of search per page, change pageUnit, pageSize of context-properties.xml file.(provided, however, that relevant setting affects the overall common service function.)

순번	기관코드	기관명
1	5300405	대전광역시 자치행정국 실업대책반
2	5300402	대전광역시 기획관리실 전산정보담당관
3	5300403	대전광역시 경제국
4	5300404	대전광역시 경제국 과학기술과
5	5430004	충청북도 여성정책관
6	5430080	충청북도 산림환경연구소
7	5430089	충청북도 축산위생연구소
8	5430113	충청북도 충주소방서
9	5430209	충청북도 기획관리실
10	5430219	충청북도 건설종합본부

Inquiry: to inquire, select the search conditions on the top, enter the search conditions and click the Inquiry button.

### Institution Code Detail Inquiry

#### Business Rule

Detail inquiry includes the deletion process. When deletion is successful, move to **Receive Institution Code list** screen.

#### Related Code

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
Detail inquiry	/sym/ccm/icr/getInsttCodeDetail.do	EgovInsttCodeRecptnController	"InsttCodeRecptnDAO.selectInsttCodeDetail"

### 기관코드 상세 조회

**기관코드** \* 6300404  
**전체 기관명** \* 대전광역시 경제국 과학기술과  
**변경일자** \* 2006-04-18  
**변경시간** \* 08:27:33  
**폐지유무** \*

#### 기관코드수신 이력

순번	발생일자	최하위기관명	변경구분	처리구분	생성일자	변경일자	폐지유무	폐지일자
1	1999-08-10	과학기술과	<input type="button" value="말소"/>	<input type="button" value="처리완료"/>	1998-09-05	2006-04-18	<input type="button" value="말소"/>	1999-08-10

List: move to **Institute Code List** Screen