# MILLENNIUM CHALLENGE CORPORATION TECHNICAL DOCUMENTATION

*Reporting to the International Aid Transparency Initiative Version 1.03 (2013)*

## Table of Contents

## IATI XML Schema, Policy and Interpretation

### MCC IATI XML Schema

#### General IATI-Activities Attributes (Hard Coded)
- linked-data-default: http://data.mcc.gov
- version: 1.03
- generated-datetime: <ATOM DATETIME FOR EDT (-04:00)>

#### General IATI-Activity Attributes (Hard Coded)
- default-currency: USD
- version: 1.03
- lang: en
- last-updated-datetime: <ZERO HOUR DATE FOR FIRST DAY AFTER QUARTER EDT (-04:00)>
- hierarchy:
  - 1: Country Effort/Fund
  - 2: Project
  - 3: Activity

#### Hierarchy 1: Country-Effort / Fund
- reporting-org: Hard Coded
  - ref: US-18
  - type: 10
  - value: Millennium Challenge Corporation
- iati-identifier: Derived
  - value: US-18-<COUNTRY EFFORT CODE>-<FUNDCODE>
- title: Derived
  - lang: en
  - value:<COUNTRYEFFORTNAME>-<FUNDNAME>
- description: Derived
  - lang: en
  - type:
    - 1: <DESCRIPTION OR TITLE>
    - 2: Good governance, economic freedom and investment in the citizens of <COUNTRYNAME>
- activity-status: Derived
  - lang: en
  - code:
    - <IF VALUE(STATUS) ELSE> : 0
    - < IF VALUE(STATUS) "Implementation">: 2
    - < IF VALUE(STATUS) "Completion">: 3
- activity-date: Derived

- o type: start-actual
  - iso-date: <MIN START GROUPED BY HIERARCHY 1>
- o type: end-actual
  - iso-date: <MAX END GROUPED BY HIERARCHY 1>
- participating-org: Derived
  - o role: Funding
    - type: 10
    - ref: US
    - value: United States of America
  - o role: Extending
    - type: 10
    - ref: US-18
    - value: Millennium Challenge Corporation
  - o role: Accountable (NOT COMPACT)
    - type: 10
    - ref: US-18
    - value: Millennium Challenge Corporation
  - o role: Accountable (COMPACT)
    - value: Millennium Challenge Account <COUNTRYNAME>
  - o role: Implementing(NOT COMPACT)
    - type: 10
    - ref: US-18
    - value: Millennium Challenge Corporation
  - o role: Implementing (COMPACT)
    - value: Millennium Challenge Account <COUNTRYNAME>
- recipient-country: Derived
  - o code: <2LETTERCOUNTRYCODE>
  - o percentage: 100
- related-activity: Derived (Appendix)
- planned-disbursement: Sum of all commitments/obligations minus the sum of all disbursements grouped by Country-Effort and Fund
- budget: Sum of all commitments/obligations grouped by Country-Effort and Fund
- capital-spend: Hard Coded
  - o code: 1.4.3
- country-budget: Hard Coded
  - o code: 4

## Hierarchy 2: Project
- reporting-org: Hard Coded
  - o ref: US-18
  - o type: 10

- o value: Millennium Challenge Corporation
- iati-identifier: Derived
  - o value: US-18-<COUNTRY EFFORT CODE>-<FUNDCODE>-<PROJECTCODE>
- title: Derived
  - o lang: en
  - o value:<COUNTRYEFFORTNAME>-<FUNDNAME>-<PROJECTNAME>
- description: Derived
  - o lang: en
  - o type:
    - 1: <DESCRIPTION OR TITLE>
    - 2: Good governance, economic freedom and investment in the citizens of <COUNTRYNAME>
- activity-status:  Derived
  - o lang: en
  - o code:
    - <IF VALUE(STATUS) ELSE> :0
    - < IF VALUE(STATUS)  "Implementation">:2
    - < IF VALUE(STATUS)  "Completion">:3
- activity-date: Derived
  - o type: start-actual
    - iso-date: <MIN START GROUPED BY HIERARCHY 2>
  - o type: end-actual
    - iso-date: <MAX END GROUPED BY HIERARCHY 2>
- participating-org: Derived
  - o role: Funding
    - type: 10
    - ref: US
    - value: United States of America
  - o role: Extending
    - type: 10
    - ref: US-18
    - value: Millennium Challenge Corporation
  - o role: Accountable (NOT COMPACT)
    - type: 10
    - ref: US-18
    - value: Millennium Challenge Corporation
  - o role: Accountable (COMPACT)
    - value: Millennium Challenge Account <COUNTRYNAME>
  - o role: Implementing(NOT COMPACT)
    - type: 10
    - ref: US-18

- ▪ value: Millennium Challenge Corporation
  - o role: Implementing (COMPACT)
    - ▪ value: Millennium Challenge Account <COUNTRYNAME>
- recipient-country: Derived
  - o code: <2LETTERCOUNTRYCODE>
  - o percentage: 100
- related-activity: Derived (Appendix)
- planned-disbursement: Sum of all commitments/obligations minus the sum of all disbursements grouped by Country-Effort, Fund and Project
- budget: Sum of all commitments/obligations grouped by Country-Effort, Fund and Project
- results: Derived (appendix)

## Hierarchy 3: Activity

- reporting-org: Hard Coded
  - o ref: US-18
  - o type: 10
  - o value: Millennium Challenge Corporation
- iati-identifier: Derived
  - o value: US-18-<COUNTRY EFFORT CODE>-<FUNDCODE>-<ACTIVITYCODE>
- title: Derived
  - o lang: en
  - o value:<COUNTRYEFFORTNAME>-<FUNDNAME>-<ACTIVITYNAME>
- description: Derived
  - o lang: en
  - o type:
    - ▪ 1: <DESCRIPTION OR TITLE>
    - ▪ 2: Good governance, economic freedom and investment in the citizens of <COUNTRYNAME>
- activity-status:  Derived
  - o lang: en
  - o code:
    - ▪ <IF VALUE(STATUS) ELSE> :0
    - ▪ < IF VALUE(STATUS)  "Implementation">:2
    - ▪ < IF VALUE(STATUS)  "Completion">:3
- activity-date: Derived
  - o type: start-actual
    - ▪ iso-date: <MIN START GROUPED BY HIERARCHY 3>
  - o type: end-actual
    - ▪ iso-date: <MAX END GROUPED BY HIERARCHY 3>
- participating-org: Derived
  - o role: Funding

- type: 10
- ref: US
- value: United States of America
- role: Extending
  - type: 10
  - ref: US-18
  - value: Millennium Challenge Corporation
- role: Accountable (NOT COMPACT)
  - type: 10
  - ref: US-18
  - value: Millennium Challenge Corporation
- role: Accountable (COMPACT)
  - value: Millennium Challenge Account <COUNTRYNAME>
- role: Implementing(NOT COMPACT)
  - type: 10
  - ref: US-18
  - value: Millennium Challenge Corporation
- role: Implementing (COMPACT)
  - value: Millennium Challenge Account <COUNTRYNAME>
- recipient-country: Derived
  - code: <2LETTERCOUNTRYCODE>
  - percentage: 100
- related-activity: Derived (Appendix)
- activity-website: Hard Coded
  - value: http://www.mcc.gov/pages/countries/overview/<COUNTRYNAME>
- contact-info: Hard Coded
  - email: opendata@mcc.gov
  - mailing-address: 875 Fifteenth Street NW, Washington, DC 20005-2221
  - organization: Millennium Challenge Corporation
  - person-name: Open Data Team
  - telephone: 202-521-3600
- location: Derived
  - percentage: 100
  - name: <COUNTRYNAME>
  - coordinates:
    - latitude:<LAT>
    - longitude:<LON>
    - precision: 9
  - location-type:
    - code: PCL
  - description: <COUNTRYNAME>

- o administrative:
  - country: <2LETTERCOUNTRYCODE>
  - value:<COUNTRYNAME>
- o gazetteer-entry:
  - gazetteer-ref: NGA
  - value: <COUNTRYNAME>
- sector: Derived
  - o percentage: 100
  - o vocabulary: DAC
  - o code: <DACCODE>
  - o value: <DACNAME>
- collaboration-type: Hard Coded
  - o code: 1
- default-finance-type: Hard Coded
  - o code: 110
- default-flow-type: Hard Coded
  - o code: 10
- default-aid-type: Hard Coded
  - o code: C01
- default-tied-status: Hard Code
  - o code: 5
- conditions: Hard Coded (Appendix)
- document-link: Derived (Appendix)
- transaction: Derived (Appendix)

## IATI XML Field Policy

### IATI Policy
- recipient-region: Not used when country present

### MCC Policy
- policy-marker: MCC does not maintain policy markers

## Interpretation and Scoring

### Field Interpretation
- reporting-org:  All 3 hierarchies
- iati-identifier:  All 3 hierarchies
- title: All 3 hierarchies
- description: All 3 hierarchies
- activity-status: All 3 hierarchies
- activity-date: All 3 hierarchies

- participating-org: All 3 hierarchies
- recipient-country: All 3 hierarchies
- related-activity: All 3 hierarchies
- planned-disbursement: Level 1 and 2
- budget: Level 1 and 2
- country-budget: Level 1
- capital-spend: Level 1
- policy-marker: NOT AVAILABLE
- recipient-region: NOT USED
- activity-website: Level 3
- contact-info: Level 3
- location: Level 3
- sector: Level 3
- collaboration-type: Level 3
- default-finance-type: Level 3
- default-flow-type: Level 3
- default-aid-type: Level 3
- default-tied-status: Level 3
- conditions: Level 3
- document-link: Level 1
- transaction: Level 3
- results: Level 2

## Publish What You Fund Tracker Settings

### Condition Structure

{publisher code} does not use {element, can be an XPATH expression} at activity hierarchy {hierarchy number}

### Example

US-18 does not use transaction at activity hierarchy 1
US-18 does not use participating-org[@role='Implementing'] at activity hierarchy 2

### MCC Conditions

#### Hierarchy 1

US-18 does not use policy-marker at activity hierarchy 1
US-18 does not use recipient-region at activity hierarchy 1
US-18 does not use activity-website at activity hierarchy 1
US-18 does not use contact-info at activity hierarchy 1
US-18 does not use location at activity hierarchy 1

US-18 does not use sector at activity hierarchy 1
US-18 does not use collaboration-type at activity hierarchy 1
US-18 does not use default-finance-type at activity hierarchy 1
US-18 does not use default-flow-type at activity hierarchy 1
US-18 does not use default-aid-type at activity hierarchy 1
US-18 does not use default-tied-status at activity hierarchy 1
US-18 does not use conditions at activity hierarchy 1
US-18 does not use transaction at activity hierarchy 1
US-18 does not use results at activity hierarchy 1
US-18 does not use participating-org[@role='Implementing'] at activity hierarchy 1
US-18 does not use participating-org[@role='Accountable'] at activity hierarchy 1

### Hierarchy 2

US-18 does not use policy-marker at activity hierarchy 2
US-18 does not use recipient-region at activity hierarchy 2
US-18 does not use activity-website at activity hierarchy 2
US-18 does not use contact-info at activity hierarchy 2
US-18 does not use location at activity hierarchy 2
US-18 does not use sector at activity hierarchy 2
US-18 does not use collaboration-type at activity hierarchy 2
US-18 does not use default-finance-type at activity hierarchy 2
US-18 does not use default-flow-type at activity hierarchy 2
US-18 does not use default-aid-type at activity hierarchy 2
US-18 does not use default-tied-status at activity hierarchy 2
US-18 does not use conditions at activity hierarchy 2
US-18 does not use document-link at activity hierarchy 2
US-18 does not use country-budget at activity hierarchy 2
US-18 does not use capital-spend at activity hierarchy 2
US-18 does not use transaction at activity hierarchy 2
US-18 does not use participating-org[@role='Implementing'] at activity hierarchy 2
US-18 does not use participating-org[@role='Accountable'] at activity hierarchy 2

### Hierarchy 3

US-18 does not use policy-marker at activity hierarchy 3
US-18 does not use recipient-region at activity hierarchy 3
US-18 does not use document-link at activity hierarchy 3
US-18 does not use planned-disbursement at activity hierarchy 3
US-18 does not use budget at activity hierarchy 3
US-18 does not use country-budget at activity hierarchy 3
US-18 does not use capital-spend at activity hierarchy 3
US-18 does not use results at activity hierarchy 3

## Appendix in Order of Appearance

### Code for Related Activities

#### Hierarchy 1

```php
<?php
$relatedQuery = mysqli_query($db,"SELECT * FROM driver WHERE MCCCountryCode = '" .
$countryFundRow['MCCCountryCode'] . "' AND FundCode = '" . $countryFundRow['FundCode'] . "'
GROUP BY ProjectCode ORDER BY ProjectCode ASC");

while($relatedRow = mysqli_fetch_array($relatedQuery))
{

$relatedActivity = $activity->addChild("related-activity",htmlentities($relatedRow['MCCCountryName'] .
"-" . $relatedRow['FundName'] . "-" . $relatedRow['ProjectName']));
$relatedActivity->addAttribute("type","2");
$relatedActivity->addAttribute("ref","US-18-" . $relatedRow['MCCCountryCode'] . "-" .
$relatedRow['FundCode'] . "-" . $relatedRow['ProjectCode']);

}
$relatedQuery = mysqli_query($db,"SELECT * FROM driver WHERE IATI_COUNTRY_CODE = '" .
$countryFundRow['IATI_COUNTRY_CODE'] . "' AND (FundCode <> '" . $countryFundRow['FundCode'] . "'
AND MCCCountryCode = '" . $countryFundRow['MCCCountryCode'] . "') GROUP BY FundCode ORDER BY
FundCode ASC");

while($relatedRow = mysqli_fetch_array($relatedQuery))
{

$relatedActivity = $activity->addChild("related-activity",htmlentities($relatedRow['MCCCountryName'] .
"-" . $relatedRow['FundName']));
$relatedActivity->addAttribute("type","3");
$relatedActivity->addAttribute("ref","US-18-" . $relatedRow['MCCCountryCode'] . "-" .
$relatedRow['FundCode']);

}
?>
```

#### Hierarchy 2

```php
<?php
//PARENT
$relatedActivity = $activity->addChild("related-activity",htmlentities($projectRow['MCCCountryName'] .
"-" . $projectRow['FundName']));
$relatedActivity->addAttribute("type","1");
$relatedActivity->addAttribute("ref","US-18-" . $projectRow['MCCCountryCode'] . "-" .
$projectRow['FundCode']);

//CHILDREN
```

```php
$relatedQuery = mysqli_query($db,"SELECT * FROM driver WHERE MCCCountryCode = '" .
$projectRow['MCCCountryCode'] . "' AND FundCode = '" . $projectRow['FundCode'] . "' AND ProjectCode
= '" . $projectRow['ProjectCode'] . "' GROUP BY ActivityCode ORDER BY ActivityCode ASC");

while($relatedRow = mysqli_fetch_array($relatedQuery))
{

$relatedActivity = $activity->addChild("related-activity",htmlentities($relatedRow['MCCCountryName'] .
"-" . $relatedRow['FundName'] . "-" . $relatedRow['ProjectName'] . "-" . $relatedRow['ActivityName']));
$relatedActivity->addAttribute("type","2");
$relatedActivity->addAttribute("ref","US-18-" . $relatedRow['MCCCountryCode'] . "-" .
$relatedRow['FundCode'] . "-" . $relatedRow['ProjectCode'] . "-" . $relatedRow['ActivityCode']);

}

//SIBLINGS
$relatedQuery = mysqli_query($db,"SELECT * FROM driver WHERE MCCCountryCode = '" .
$projectRow['MCCCountryCode'] . "' AND FundCode = '" . $projectRow['FundCode'] . "' AND ProjectCode
<> '" . $projectRow['ProjectCode'] . "' GROUP BY ProjectCode ORDER BY ProjectCode ASC");

while($relatedRow = mysqli_fetch_array($relatedQuery))
{

$relatedActivity = $activity->addChild("related-activity",htmlentities($relatedRow['MCCCountryName'] .
"-" . $relatedRow['FundName'] . "-" . $relatedRow['ProjectName']));
$relatedActivity->addAttribute("type","3");
$relatedActivity->addAttribute("ref","US-18-" . $relatedRow['MCCCountryCode'] . "-" .
$relatedRow['FundCode'] . "-" . $relatedRow['ProjectCode']);

}

?>
```

### Hierarchy 3
```php
<?php
//PARENT
$relatedActivity = $activity->addChild("related-activity",htmlentities($activityRow['MCCCountryName'] .
"-" . $activityRow['FundName'] . "-" . $activityRow['ProjectName']));
$relatedActivity->addAttribute("type","1");
$relatedActivity->addAttribute("ref","US-18-" . $activityRow['MCCCountryCode'] . "-" .
$activityRow['FundCode'] . "-" . $activityRow['ProjectCode']);
//SIBLINGS
$relatedQuery = mysqli_query($db,"SELECT * FROM driver WHERE `MCCCountryCode` = '" .
$activityRow['MCCCountryCode'] . "' AND `FundCode` = '" . $activityRow['FundCode'] . "' AND
`ProjectCode` = '" . $activityRow['ProjectCode'] . "' AND `ActivityCode` <> '" .
$activityRow['ActivityCode'] . "'");
```

```php
while($relatedRow = mysqli_fetch_array($relatedQuery))
{

$relatedActivity = $activity->addChild("related-activity",htmlentities($relatedRow['MCCCountryName'] .
"-" . $relatedRow['FundName'] . "-" . $relatedRow['ProjectName'] . "-" . $relatedRow['ActivityName']));
$relatedActivity->addAttribute("type","3");
$relatedActivity->addAttribute("ref","US-18-" . $relatedRow['MCCCountryCode'] . "-" .
$relatedRow['FundCode'] . "-" . $relatedRow['ProjectCode'] . "-" . $relatedRow['ActivityCode']);

}
?>
```

## Code for Conditions

```php
<?php
$conditions = $activity->addChild("conditions");
$conditions->addAttribute("attached","1");
```

### //CONDITION 1

```php
        $condition = $conditions->addChild("condition","According to MCC's statute, a country may
have its eligibility or assistance suspended or terminated if the country has engaged in activities contrary
to the national security interests of the United States");
        $condition->addAttribute("type","1");
```

### //CONDITION 2

```php
        $condition = $conditions->addChild("condition","According to MCC's statute, a country may
have its eligibility or assistance suspended or terminated if the country has engaged in a pattern of
actions inconsistent with MCA eligibility criteria");
        $condition->addAttribute("type","1");
```

### //CONDITION 3

```php
        $condition = $conditions->addChild("condition","According to MCC's statute, a country may
have its eligibility or assistance suspended or terminated if the country has failed to adhere to its
responsibilities under a MCC program agreement");
        $condition->addAttribute("type","1");
?>
```

## Code for Document Link

```php
<?php
```

### //CHECK IF COUNTRY-EFFORT HAS A DOCUMENT ASSIGNED

```php
if(!empty($countryFundRow['docURL']))
{
$documentLink = $activity->addChild("document-link");
$documentLink->addAttribute("url",$countryFundRow['docURL']);
$documentLink->addAttribute("format","application/pdf");
        $documentLinklanguage = $documentLink->addChild("language","en");
        $documentLinkCategory = $documentLink->addChild("category");
```

```
        $documentLinkCategory->addAttribute("code","A01");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A02");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A03");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A04");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A05");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A06");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A07");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A10");
    $documentLinkCategory = $documentLink->addChild("category");
        $documentLinkCategory->addAttribute("code","A11");
    $documentLinkTitle = $documentLink->addChild("title",$countryFundRow['docTitle']);


//NO DOCUMENT ASSIGNED
}else{
    $documentQuery = mysqli_query($db,"SELECT * FROM `documents` WHERE `category` LIKE
'%A03%' OR `category` LIKE '%A11%'");

    while($documentRow = mysqli_fetch_array($documentQuery))
    {
        $documentLink = $activity->addChild("document-link");
        $documentLink->addAttribute("url",$documentRow['url']);
        $documentLink->addAttribute("format",$documentRow['format']);
            $documentLinklanguage = $documentLink->addChild("language","en");
            //LIST CATEGORIES
            foreach (explode(',', $documentRow['category']) as $cat)
            {
                if (substr($cat, 0, 1) === 'A')
                {
                    $documentLinkCategory = $documentLink-
>addChild("category");
                        $documentLinkCategory->addAttribute("code",$cat);
                }
            }
            $documentLinkTitle = $documentLink->addChild("title",$documentRow['title']);
    }

}
```

```php
//ALL COUNTRY-EFFORTS
$documentQuery = mysqli_query($db,"SELECT * FROM `documents` WHERE `category` LIKE '%A%' AND
`category` NOT LIKE '%A03%' AND `category` NOT LIKE '%A11%'");

while($documentRow = mysqli_fetch_array($documentQuery))
{
        $documentLink = $activity->addChild("document-link");
        $documentLink->addAttribute("url",$documentRow['url']);
        $documentLink->addAttribute("format",$documentRow['format']);
                $documentLinklanguage = $documentLink->addChild("language","en");
                //LIST CATEGORIES
                foreach (explode(',', $documentRow['category']) as $cat)
                {
                        if (substr($cat, 0, 1) === 'A')
                        {
                                $documentLinkCategory = $documentLink->addChild("category");
                                        $documentLinkCategory->addAttribute("code",$cat);
                        }
                }
                $documentLinkTitle = $documentLink->addChild("title",$documentRow['title']);
}
?>
```

## Code for Transaction
```php
<?php
```

### // Transaction Loop
```php
        $transactionQuery = mysqli_query($db,"SELECT * FROM data WHERE `MCCCountryCode` = '" .
$activityRow['MCCCountryCode'] . "'  AND `FundCode` = '" . $activityRow['FundCode'] . "'  AND
`ProjectCode` = '" . $activityRow['ProjectCode'] . "'  AND `ActivityCode` = '" . $activityRow['ActivityCode']
. "' ORDER BY `QTRStart`");

while($transactionRow = mysqli_fetch_array($transactionQuery))
{
```

### // Commitment
```php
$transaction = $activity->addChild("transaction");
$transaction->addAttribute("ref",$transactionRow['MCCCountryCode'] . "-" .
$transactionRow['FundCode'] . "-" . $transactionRow['ProjectCode'] . "-" .
$transactionRow['ActivityCode'] . "-" .$transactionRow['QTRStart']. "-C");
```

### // AID TYPE
```php
        $aidType = $transaction->addChild("aid-type");
        $aidType->addAttribute("code","C01");
```

```
// DESCRIPTION
        $description = $transaction->addChild("description",htmlentities("Commitment: " .
$transactionRow['MCCCountryName'] . "-" . $transactionRow['FundName'] . "-" .
$transactionRow['ProjectName'] . "-" . $transactionRow['ActivityName'] . "-"
.$transactionRow['QTRStart']));
        $description->addAttribute("type","1");


// DISBURSEMENT CHANNEL
        $disbursementChannel = $transaction->addChild("disbursement-channel");
        $disbursementChannel->addAttribute("code","1");


// FINANCE CODE
        $financeCode = $transaction->addChild("finance-code");
        $financeCode->addAttribute("code","110");


// FLOW TYPE
        $flowType = $transaction->addChild("flow-type");
        $flowType->addAttribute("code","10");


// PROVIDER ORG
        $providerOrg = $transaction->addChild("provider-org","Millennium Challenge Corporation");
        $providerOrg->addAttribute("ref",$constants['providerCode']);


// RECEIVER ORG
        $receiverOrg = $transaction->addChild("receiver-org",htmlentities($activityRow['IATI_NAME']));


// TIED STATUS
        $tiedStatus = $transaction->addChild("tied-status");
        $tiedStatus->addAttribute("code","5");


// TRANSACTION DATE
        $transactionDate = $transaction->addChild("transaction-date",$transactionRow['QTRStart']);
        $transactionDate->addAttribute("iso-date",$transactionRow['QTRStart']);


// TRANSACTION TYPE
        $transactionType = $transaction->addChild("transaction-type","COMMITMENT");
        $transactionType->addAttribute("code","C");
```

## // VALUE

```php
$transactionValue = $transaction->addChild("value",$transactionRow['Commitment']);
$transactionValue->addAttribute("value-date",$transactionRow['QTRStart']);
$transactionValue->addAttribute("currency","USD");
```

## // Disbursement

```php
$transaction = $activity->addChild("transaction");
$transaction->addAttribute("ref",$transactionRow['MCCCountryCode'] . "-" .
$transactionRow['FundCode'] . "-" . $transactionRow['ProjectCode'] . "-" .
$transactionRow['ActivityCode'] . "-" .$transactionRow['QTRStart']. "-D");
```

## // AID TYPE

```php
$aidType = $transaction->addChild("aid-type");
$aidType->addAttribute("code","C01");
```

## // DESCRIPTION

```php
$description = $transaction->addChild("description",htmlentities("Disbursement: " .
$transactionRow['MCCCountryName'] . "-" . $transactionRow['FundName'] . "-" .
$transactionRow['ProjectName'] . "-" . $transactionRow['ActivityName'] . "-"
.$transactionRow['QTRStart']));
$description->addAttribute("type","1");
```

## // DISBURSEMENT CHANNEL

```php
$disbursementChannel = $transaction->addChild("disbursement-channel");
$disbursementChannel->addAttribute("code","1");
```

## // FINANCE CODE

```php
$financeCode = $transaction->addChild("finance-code");
$financeCode->addAttribute("code","110");
```

## // FLOW TYPE

```php
$flowType = $transaction->addChild("flow-type");
$flowType->addAttribute("code","10");
```

## // PROVIDER ORG

```php
$providerOrg = $transaction->addChild("provider-org","Millennium Challenge Corporation");
$providerOrg->addAttribute("ref",$constants['providerCode']);
```

```php
// RECEIVER ORG
        $receiverOrg = $transaction->addChild("receiver-org",htmlentities($activityRow['IATI_NAME']));


// TIED STATUS
        $tiedStatus = $transaction->addChild("tied-status");
        $tiedStatus->addAttribute("code","5");


// TRANSACTION DATE
        $transactionDate = $transaction->addChild("transaction-date",$transactionRow['QTRStart']);
        $transactionDate->addAttribute("iso-date",$transactionRow['QTRStart']);


// TRANSACTION TYPE
        $transactionType = $transaction->addChild("transaction-type","DISBURSEMENT");
        $transactionType->addAttribute("code","D");


// VALUE
        $transactionValue = $transaction->addChild("value",$transactionRow['Disbursement']);
        $transactionValue->addAttribute("value-date",$transactionRow['QTRStart']);
        $transactionValue->addAttribute("currency","USD");


}
?>
```

## Code for Results

```php
<?php

        //Start Result Loop
        $indicatorQuery = mysqli_query($db,"SELECT * FROM indicators WHERE `country` = '" .
$activityRow['MCCCountryName'] . "'  AND (('" . $activityRow['ProjectName'] . "' LIKE
CONCAT('%',`project`,'%')) OR ISNULL(`project`))");

if(mysqli_num_rows($indicatorQuery) > 0){


        $result = $activity->addChild("result");
        $result->addAttribute("type","2");
        $result->addAttribute("aggregation-status","false");
                $resultTitle = $result->addChild("title",htmlentities($activityRow['MCCCountryName'] .
"-" . $activityRow['ProjectName'] . " " . "Results"));
                $resultDescription = $result->addChild("description",htmlentities("Results of " .
$activityRow['MCCCountryName'] . " Project Titled '" . $activityRow['ProjectName'] . "'"));
                $resultDescription->addAttribute("type","1");

while($indicatorRow = mysqli_fetch_array($indicatorQuery))
{
```

//SET VARIABLES

```php
$indicatorTitle = (empty($indicatorRow['indicator']) ? $activityRow['ProjectName'] . "Indicator" :
$indicatorRow['indicator']);
$indicatorDescriptionBase = htmlentities((empty($indicatorRow['notes']) ? "Indicator for " .
$activityRow['ProjectName'] : $indicatorRow['indicator']));
$indicatorDescription = $indicatorRow['classification'] . " " . $indicatorRow['indicator_level'] . "
of " . $indicatorDescriptionBase;
$baselineYear = substr($activityRow['start_date'],0,4);
$baselineValue = $indicatorRow['baseline'];
$targetValue = $indicatorRow['target'];
$actualValue = $indicatorRow['actual'];

$resultIndicator = $result->addChild("indicator");
$resultIndicator->addAttribute("measure",$indicatorRow['measure']);
$resultIndicator->addAttribute("ascending","true");
        $indicatorTitle = $resultIndicator->addChild("title",htmlentities($indicatorTitle));
        $indicatorDescription = $resultIndicator->addChild("description",htmlentities($indicatorDescription));
        $indicatorDescription->addAttribute("type","1");
        $indicatorBaseline = $resultIndicator->addChild("baseline");
        $indicatorBaseline->addAttribute("year",$baselineYear);
        $indicatorBaseline->addAttribute("value",$baselineValue);
                $baselineComment = $indicatorBaseline->addChild("comment",$indicatorDescriptionBase . " Baseline");
        $indicatorPeriod = $resultIndicator->addChild("period");
                $periodStart = $indicatorPeriod->addChild("period-start",$activityRow['start_date']);
                $periodStart->addAttribute("iso-date",$activityRow['start_date']);
                $periodEnd = $indicatorPeriod->addChild("period-end",$activityRow['end_date']);
                $periodEnd->addAttribute("iso-date",$activityRow['end_date']);
                $periodTarget = $indicatorPeriod->addChild("target");
                $periodTarget->addAttribute("value",$targetValue);
                        $targetComment = $periodTarget->addChild("comment",$indicatorDescriptionBase . " Target");
                $periodActual = $indicatorPeriod->addChild("actual");
                $periodActual->addAttribute("value",$actualValue);
                        $actualComment = $periodActual->addChild("comment",$indicatorDescriptionBase . " Actual");
}
}
?>
```