

Table of Contents

Overview of Umoja Indirect Support Cost Posting Schema	
Chapter 1 – Umoja Indirect Support Cost Process	
1.1 GMIDCPOST	
1.2. Clearing GL 19401020 (AR PSC Technical Clearing)	17
1.3. ZGMIDCPOST	14
Chapter 2 Common Errors Impacting on Indirect Support Costs Posting	17
Chapter 3 Indirect Support Cost Manual Entries and Adjustments	2 1
3.1. Manual Entries and Adjustments for Voluntary Contribution – Fund 32XXX	21
3.2 Manual Entries for Core Funds of Voluntary Contributions – Fund 40XXX	2 3
Chapter 4 Indirect Support Cost Posting Run and Period-end Closing	26
Chapter 5 Indirect Support Costs Report	27



Overview of Umoja Indirect Support Cost Posting Schema

Standard SAP GMIDPOST program posts the 'real' grant to the accounting entry postings to both expenditures (which are charged against external fund 32XXX) and income (which are recorded against internal fund 62XXX) lines. The posting triggers the movement of cash from 32XXX to 62XXX. Below is the standard SAP GMIDCPOST posting schema.

DR/CR	GL	GL description	Amount	ВА	Fund	Partner Fun	Grant	Cost Center	Fund Cente	WBSE
DR	78201010	PSC UN Portion	100.00	P018	32XXX	620KA	Grant		11111	SB-0000XX
CR	63501010	Inc IDC	(100.00)	P018	620KA	32XXX	Grant	11111	11111	
DR	11701010	Csh MAIN Pool	100.00	P018	620KA		Grant		11111	SB-0000XX
CR	11701010	Csh MAIN Pool	(100.00)	P018	32XXX		Grant		11111	SB-0000XX

However, UN business requires that all 'cash' posting from the Grant Indirect Cost posting program be automatically moved to grant "GMNR" to facilitate the transfer of cash to the different funds that would be utilizing these funds. The Average Daily Balance program uses the combination 11701010 for each BA/FUND/GRANT. For the 62XXX funds, the grant value in 11701010 should be "GMNR".

Due to the UN's unique requirement, a new program (ZGMIDCPOST) is developed in Umoja to change the system configuration and reposting of the cash movements to "GMNR". The Grant Indirect Cost auto posting in Umoja, therefore, consists of the following three steps.

1. GMIDCPOST

The Grants management indirect cost posting program can be run via on-line or batch process periodically. The transaction code for the online posting is "GMIDCPOST".

When this transaction is posted, FI documents are created. Following is the standard entry:

FI Doc Type	np	CD	GL Acct#	GL/Desc	GL/Desc	Amt	Amt	BA	Fund	Grant	Dartner DA	Partner Fund	Segment	Cost	Functional	Funds	WBS
ri Doc Type	DN	Ch	GLACCI#	GL/Desc	dybest	 AIIIL	AIIIL	DA	ruiiu	Grant	rai ulei DA	rai ulei ruliu		Center	Area	Center	element
SI	Dr		78201010	PSC UN portion		100		P010	32UIC	S1-32UIC-000001		620KA	102POLITAF		40AC0001	10326	SB-000054
					Income from Programme			P010	620KA	S1-32UIC-000001		32UIC	102POLITAF	10326	40AC0001	10326	
GMIDCPOST		Cr	63501010		Support Income		100										
				AR PSC Technical				P010	620KA	S1-32UIC-000001							
	Dr		19401020	Clearing		100											
					AR PSC Technical			P010	32UIC	S1-32UIC-000001							
		Cr	19401020		Clearing		100										

2. Clearing GL 19401020 (AR PSC Technical Clearing)

In this process, the GL account 19401020 is automatically cleared via a batch process (F.13). The standard entry is below:



FI Doc Type	DR	CR	GL Acct #	GL/Desc	GL/Desc	Amt	Amt	BA	Fund	Grant	Partner BA	Partner Fund	Partner Grant
				AR PSC Technical				P010	32UIC	S1-32UIC-000001			
SC	Dr		19401020	Clearing		100							
					AR PSC Technical			P010	620KA	S1-32UIC-000001			
GL CLEAR		Cr	19401020		Clearing		100						
				Cash Held in UNHQ Main				P010	620KA	S1-32UIC-000001	P010	32UIC	S1-32UIC-000001
	Dr		11701010	Pool		100							
					Cash Held in UNHQ Main			P010	32UIC	S1-32UIC-000001	P010	62OKA	S1-32UIC-000001
		Cr	11701010		Pool		100						

3. ZGMIDCPOST

To accommodate the UN requirement, **the new customised program ZGMIDCPOST** was developed. It is called via batch program based on the FI auto-clearing entry in #2 above._GL account lines 11701010 are generated automatically by the system. The standard entry for the UN configuration is shown below:

FI Doc Type	DR (CR	GL Acct #	GL/Desc	GL/Desc	Amt	Amt	BA	Fund	Grant	Partner BA	Partner Fund	Partner Grant	3	Cost Center	Functional Area
				Income from Indirect				P010	620KA	S1-32UIC-000001				102POLITAF	10326	40AC0001
NEW PROGRAM	Dr		63501011	Cost Contra		100										
					Income from			P010	620KA	GMNR				102POLITAF	10326	40AC0001
					Programme Support											
	(ìr	63501020		Cost		100									
				Cash Held in UNHQ Main				P010	620KA	GMNR	P010	620KA	S1-32UIC-000001			
	Dr		11701010	Pool		100										
					Cash Held in UNHQ Main			P010	620KA	S1-32UIC-000001	P010	620KA	GMNR			
		r	11701010		Pool		100									

Business rules:

- IDC Amount = Total value of Commitments + Actuals (GM Value Types: 51, 52, 61 (Stat indicator R, 65, 66, 95, 99, Z2 and Z5) * IDC rate;
- Three steps, GMIDCPOST, F.13 and ZGMIDCPOST, are run online or scheduled via batch process in sequence. This function is expected to be centralized;
- All cash in funds 62XXX should be posted with "GMNR".
- The cut-off date, document date, posting date in GMIDCPOST, F.13 and ZGMIDCPOST programs should all be in sync and should be the day before current date (system date) to ensure the date is same in all locations.
- GL account 19401020 should be manually monitored as the GL account 19401020 will be open item managed.
- Use document type "SI".

Enterprise Roles

GM Support User (GM) is authorized to run T-codes GMIDCPOST and ZGMIDCPOST. Financial Accounting Support User (FA) is authorized to run T-code F.13.



Grant Management – Indirect Support Costs (IDC) Process



it is important to ensure the designated officers delegated to run TDC programs periodically
must have their user ID mapped to both GM Support role and FA Support role.



Chapter 1 – Umoja Indirect Support Cost Process

1.1 GMIDCPOST



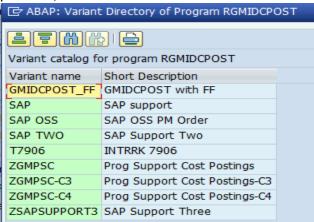
Tips:

- Always use document type "SI";
- GMIDCPOST can be run for one grant, a group of grants or all grants (without specifying the grant numbers in the selection criteria).
- Free Selection allows to run particular Funds or other select criteria;





• For users who run the IDC programs frequently, a variant can be set up to facilitate the process.;

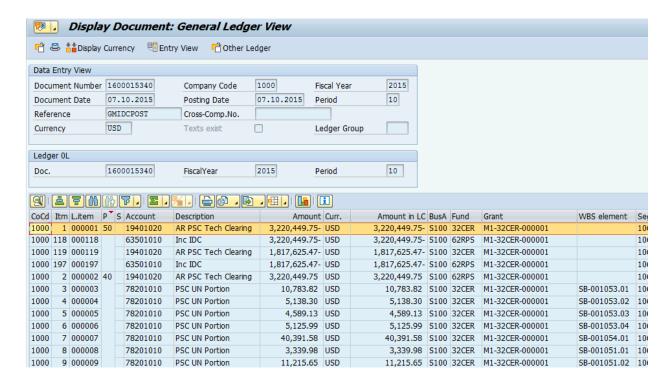


- Cutoff Date: This field select all Grants relevant expense up to this date.
- Document Date: The date of GMIDCPOST posting
- It is suggested to have cutoff Date = Document Date = Posting Date = Clearing Date =
 System date 1 day;
- Always perform "Test Run";
- "Parallel Processing" should be selected. When selected, the batch process will bypass
 cash AVC checking. Otherwise, some grants might fail due to lack of cash at grant level.
 This is also true for background process. If this is not selected, the GRANTIDCPOST
 process takes long.
- Execute in background to avoid time out.
- The document number starts with "16" and Accounting entries as following:

Dr 78201010 PSC UN Portion - Expenditures on External Fund and Actual Grant
Cr 63501010 Inc IDC - Income on Recovery Fund (Partner Fund = External Fund) and
Actual Grant

Dr 19401020 AR PSC Tech Clearing on External Fund and Actual Grant (62XXX fund) Cr 19401020 AR PSC Tech Clearing on Recovery Fund and Actual Grant (32XXX fund)





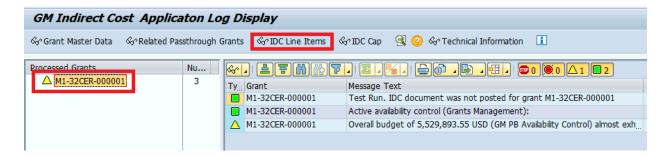
Example:

Step1: T-code GMIDCPOST and enter selection criteria etc.

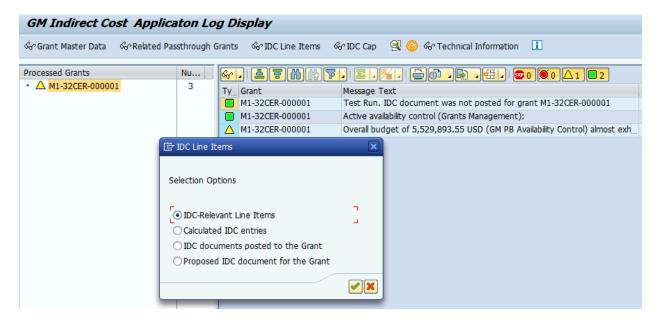


Step2: Execute Test Run





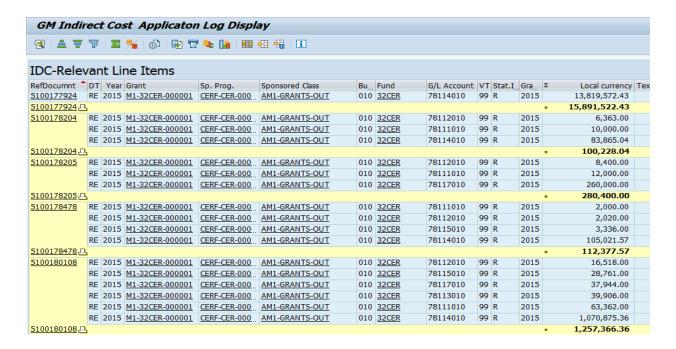
Highlight the grant to be reviewed and click "IDC Line Items", a list of four "Select Options" (reports) is listed in the pop up box. It is suggested to review the reports and pay attention in particular to the report "Proposed IDC document for the Grant".



A. IDC-Relevant Line Items

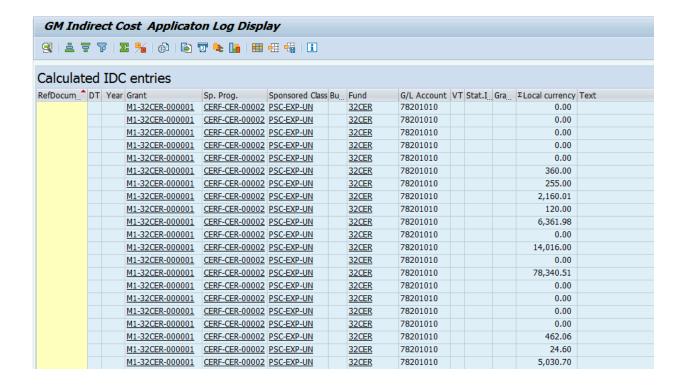
Based on the IDC rule configured, this report will show the user all relevant IDC expense selected for the GMIDCPOST process.





B. Calculated IDC entries

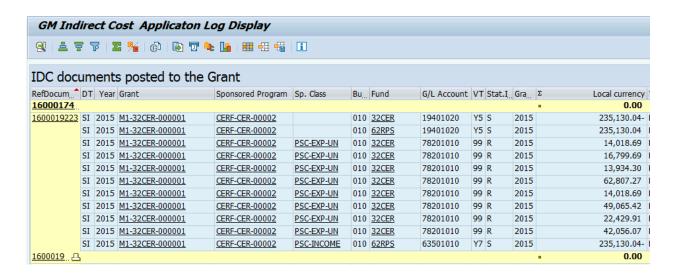
This report is to display the Calculated IDC entries for this selected grant before the current posting run.





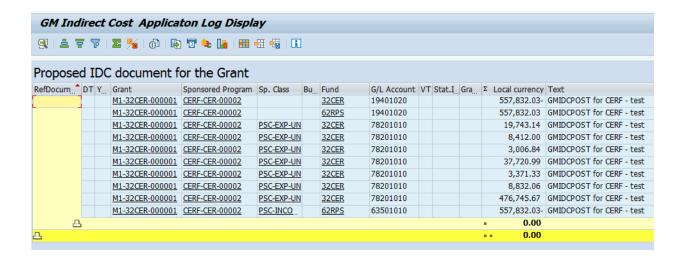
C. IDC documents posted to the grant

This report is to display the IDC documents posted to the grant before the current program run.



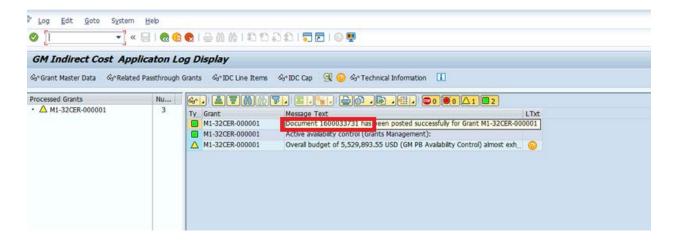
D. Proposed IDC document for the Grant

This report is to display the proposed IDC documents, which are the documents being posted at this time based on Period Base Encumbrance Tracking Engine "PBET". PBET reviews the changes to the Grants Master IDC posting based on each period. As the Grants IDC posting change overtime, the system-calculated delta changes to reflect document reversal, correction, or additions to posting. Any IDC rate changes for a particular Sponsor Program and class are also included in the calculation.



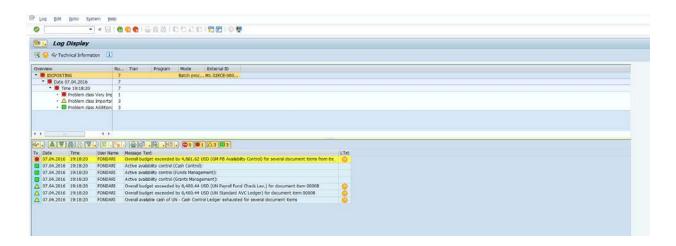
Step 3: Remove "Test Run" and execute in background





Step 4: Review the Job Log

When you have finished processing, the grant master data is updated to reflect the postings made. You can access a log of IDC posting details by choosing Extras Application Log 2.

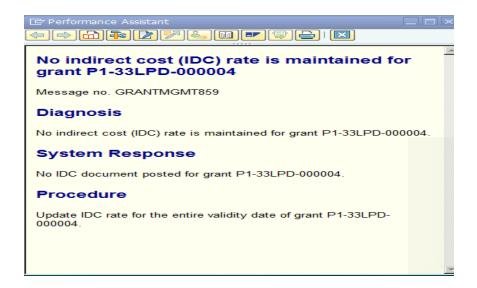


RESULTS

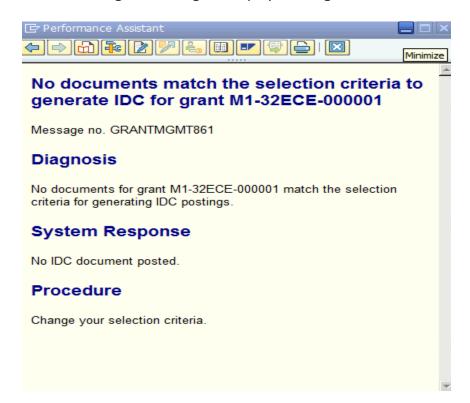
The resulting list shows a list of the grants that satisfies the selection criteria.

- A green traffic signal indicates that no errors were found related to grants.
- M1-32ECE-000007
 - A yellow traffic signal indicates that warning messages were found for a grant.
 Troubleshoot the message to determine whether the warning impacts the IDC financial transaction.
- A P1-33LPD-000004
 - A red traffic signal indicates that errors were found for a grant. Troubleshoot the message to determine whether the error message can be resolved. *Note* that no IDC transaction can be posted for a grant with an error message.





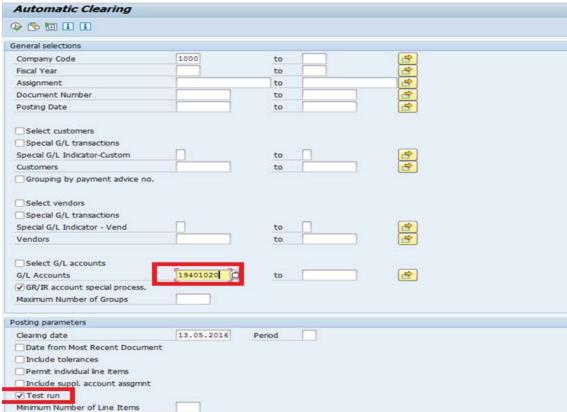
- M1-32ECE-000001
 - A message is displayed for each grant. You can access further information by doubleclicking the message to display the long text.



1.2. Clearing GL 19401020 (AR PSC Technical Clearing)



T-code: F.13



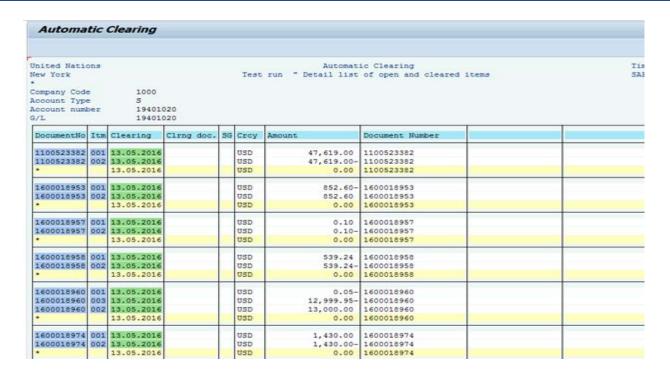
Tips:

- Remember to click "Select G/L accounts and enter 19401020;
- Clearing Date = Cutoff Date = Document Date = Posting Date of GMIDCPOST: System date - 1 day;
- Run "Test Run" to identify potential issues;
- The GL account 19401020 will be automatically. The accounting entry is shown below: Dr 194010120 A/R PSC Technical Clearing on External Fund (32XXX)

Cr 19401020 A/R PSC Technical Clearing on Recovery Fund (62XXX)

Dr 11701010 Cash Main Pool on Recovery Fund with Actual Grant (62XXX) Cr 11701010 Cash Main Pool on External Fund with Actual Grant (32XXX)



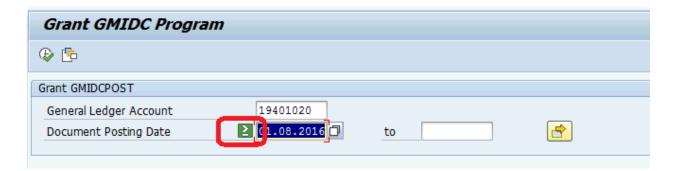


Deselect "Test Run" and execute



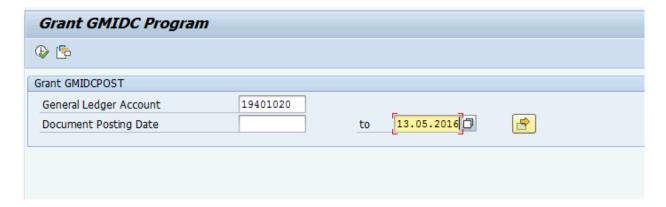
1.3. ZGMIDCPOST

T-code: ZGMIDCPOST



It is important to note that the icon denotes "greater than and equal to" the date indicated in the field "Document Posting Date". Therefore, the field above is interpreted to be transactions earlier than 1 August 2016 including transaction on that day. Earlier than means transactions processed following the last IDC program execution. We recommend that you use a variant and ensure that you are using the correct dimensions in the selection criteria.

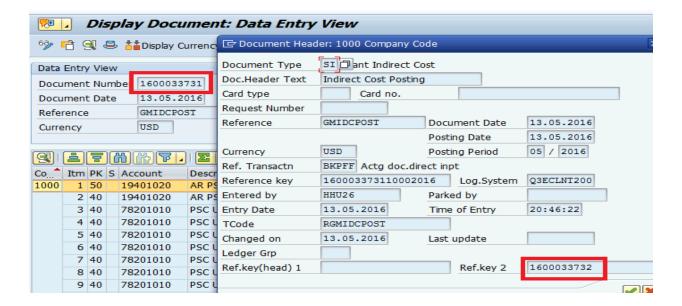




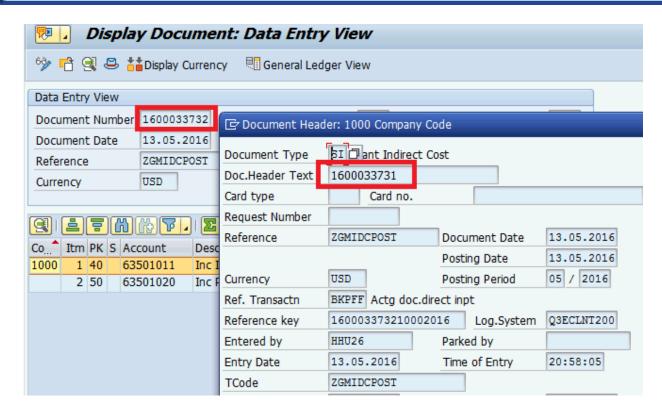


Tips:

- General Ledge Account is defaulted to 19401020
- Document Posting Date = same as Clearing Date used inselection criteria for F.13
- ZGMIDCPOST doc number is shown in the Ref.Key2 field of GMIDCPOST doc;
- GMIDCPOST doc number is shown in the Document Header Text of ZGMIDCPOST







Based on this FI auto-clearing entry the ZGMIDCPOST will be called via batch. GL account lines 11701010 will be created automatically by the system.

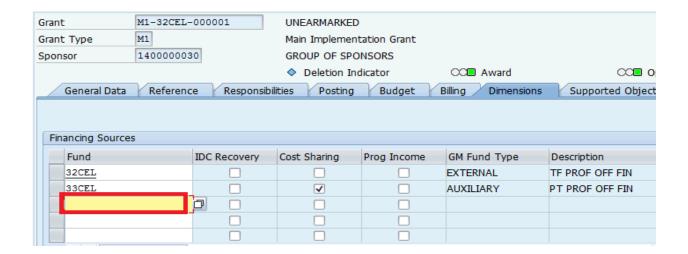
The accounting entry is as below:

Dr 63501011 Income IDC Contra on Recovery Fund and <u>Actual Grant</u>
Cr 63501020 Income PSC on Recovery Fund and <u>GMNR to enable interests allocations</u>
Dr 11701010 Cash Main Pool on Recovery Fund and GMNR
Cr 11701010 Cash Main Pool on Recovery Fund and Actual Grant



Chapter 2 Common Errors Impacting on Indirect Support Costs Posting

Issue 1: No Internal Fund 62XXX maintained in the Grant Master – Ensure that this internal fund is appropriately entered in the Dimensions tab of the grant master data.

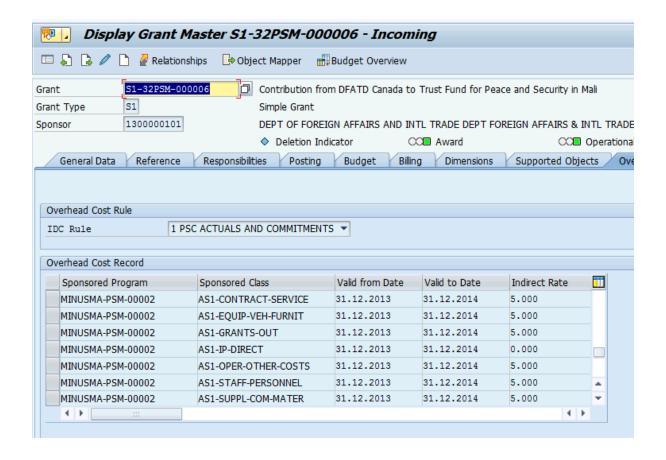


Issue 2: Grant's "Valid to Date" is expired.

A customized enhancement has been put in place to allow IDC batch programs processed with a warning message when grants' "Valid to Date" are expired.

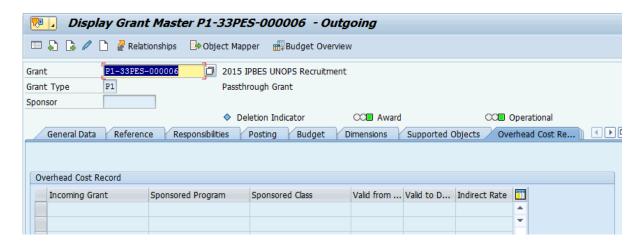
However, online IDC posting will be stopped for the grants with expired "Valid to Date". Thus, the Date in the Overhead Costs tab should be extended by changing the "Valid to Date" in the General Data tab to allow the PSC postings. The entities (mission) should be informed accordingly.





Issue 3: No PSC rate maintained in the Pass through Grant

Inform the entity to verify the funding agreement if PSC is applicable for the UN for the costs incurred by the Implementing Partner. If so, the P grant should be modified.



Issue 4: Not Enough Cash and Released Budget

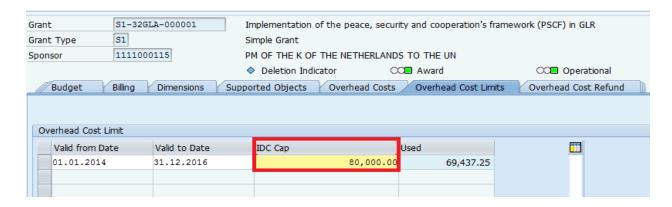


<u>It is highly recommended to check budget and cash status before IDC posting.</u> Currently, Budget Override and Cash Control Override are set up for the batch processes and may be given to the designated users, i.e. GM Support User (GM) and FI Support User (FI) upon request and approval.

However, budget and cash AVC control will kick in when the users try to perform any manual entries and adjustments through JVs. Caution needs to be exercised when provided with this access since user may override the appropriate controls for other transactions unintentionally.

Issue 5: Value is entered in IDC cap which should not be used

IDC cap is the maximum amount of indirect costs allowed for the grant. Once the CAP is meet, IDC is not calculated for the Grant. In Umoja, it is important to note the IDC cap is <u>NOT</u> used; therefore, if you see a value in the CAP, the Grant Master Data needs to be corrected.



Issue 6: Other Error Examples and Actions to take to correct errors

Grant Management – Indirect Support Costs (IDC) Process



Error Type		Actions to be taken
	No documents match the selection criteria to	Verify the grant master data, the postings of commitments
Error	generate IDC for grant P1-33SAU-000050	and actuals if there are errors, if IDC charges are expected.
	No indirect cost (IDC) rate is maintained for grant M1-	
Error	32SAU-000008	Maintain IDC rate in the relevant grants
	Budget validity for grant S1-32FNO-000009 in date	Check Budget Tab of Grant Master Data to ensure Budget
Error		Valid To Date matches with the Grant Valid To Date
Error	System status CLSD is active (ORD 10001561)	Reset the PM Order to TECO
Error	User status AWAP is active (ORD 10003131)	Reopen PM order
Error	User status HELD is active (ORD 10002757)	Reopen PM order
Error	User status MEC is active (WBS AA-000039.02.01)	Reset User Status of WBSE to correct status, i.e RFR
Error	System status CRTD is active (WBS SB-004502.02.03)	Reset User Status of WBSE to correct status, i.e RFR
Error	User status CNC is active (WBS SB-005293.03)	Reset User Status of WBSE to correct status, i.e RFR
	Funded Program IO-11000466 in FM area 1000 is not	
Error	valid at set date 21.09.2016	Extend Funded Program
	No documents match the selection criteria to	Verify the grant master data, the postings of commitments
Error	generate IDC for grant M1-32SAU-001622	and actuals if there are errors, if IDC charges are expected.
	Fund 33GLA not used by grant M1-32GLA-000002	Grant Master Data for this M grant has no 33 fund set up in
		the dimention tab. It needs to be corrected as this M has P
Error		grant linked to.
Error	No indirect cost (IDC) rate is maintained for grant M1- 32AD	IDC rate needs to be maintained in the grant master data.
	No fund recovery available for grant M1-32AEL-	Grant Master Data for this grant has no 62 Fund set up in
Error	000018 in sel	dimention tab.
	Grant S1-32SLP-000008 reached CAP of 13.00	IDC cap is the maximum amount of IDC allowed. Once the
		cap is met, IDC is not calculated for the grant. Umoja does
		not use the tab of "overhead cost limits" in the grant master
		data. This grant is set up the IDC cap (limit). You can remove
Error		the IDC cap.
21101	Please review your Fund 32STS – Business Area S100	It appears that this Fund and BA combination is not
	entries	maintained in the table ZGM_BA_FUND which is maintained
Error		by FI team. Pls raise a Ineed ticket.
2.701	Please review your Fund 62OKA – Business Area	It appears that this Fund and BA combination is not
	M019 entries	maintained in the table ZGM BA FUND which is maintained
Error	more charges	by FI team. Pls raise a Ineed ticket.



Chapter 3 Indirect Support Cost Manual Entries and Adjustments

3.1. Manual Entries and Adjustments for Voluntary Contribution – Fund 32XXX

GLs to be used and posting schema for manual IDC entries:

GL Account	Chart of Accounts	Short Text	G/L Acc Long Text
63501024	1000	Inc PSC Man	Income from Programme Support Cost Manual
		PSC UN Portion	
78201014	1000	Man	PSC UN Portion Manual

Dr. 78201014, Grant, 32fund, BA, WBSE, Sponsored Program, Sponsored Grant, Partner Grant, Partner Fund, Trading Partner Business Area

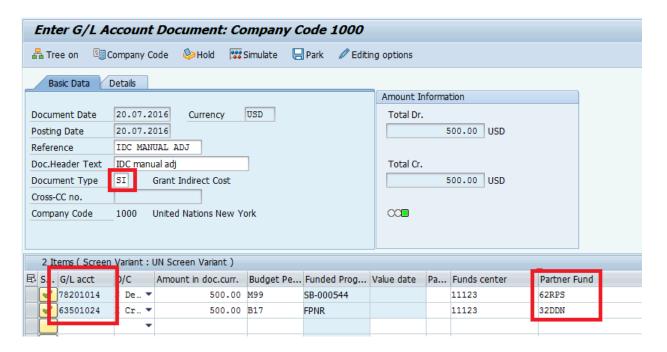
Cr. 63501024, GMNR, 62fund, Cost Center, BA, Partner Grant, Partner Fund, Trading Partner Business Area

Dr. 11701010 (auto generated) GMNR, 62Fund, BA, Cost Center Cr. 11701010 (auto generated) Grant, 32 Fund, BA, Sponsored Program

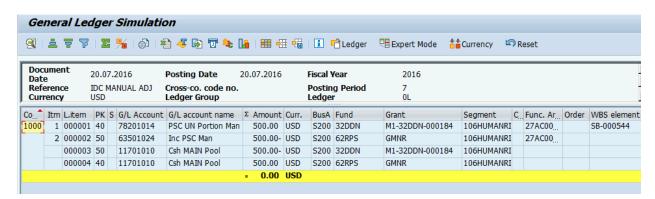
- Transaction code: FV50;
- FI document type used should be "SI";
- In the header of the document field "Reference", enter 'Manual adjustment' or other text which makes sense and identifiable to the entities;
- Partner Fund, Partner Grant and Partner Business Area are mandatory fields in manual postings;
- GL accounts for manual entry are:
 - 78201014, this line should always have WBSE and "real grant"; Enter the GL and WBSE which will derive the corresponding Grant, Sponsored Program and sponsored class; Enter partner fund, partner grant and partner business area;
 - o 63501024, this line should always have GMNR; Enter cost center, partner fund, partner grant and trading partner business area;

Examples:



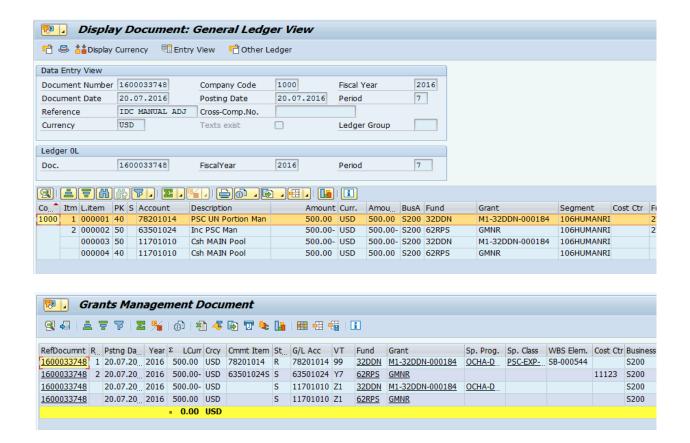


Simulation GL









3.2 Manual Entries for Core Funds of Voluntary Contributions – Fund 40XXX

GLs to be used and posting schema for manual IDC entries:

GL Account	Chart of Accounts	Short Text	G/L Acc Long Text
63501024	1000	Inc PSC Man	Income from Programme Support Cost Manual
		PSC UN Portion	
78201014	1000	Man	PSC UN Portion Manual

Dr. 78201014, Grant, 40fund, BA, WBSE or Cost Center, Partner Grant, Partner Fund, Trading Partner Business Area

Cr. 63501024, GMNR, 62fund, Cost Center, BA, Partner Grant, Partner Fund, Trading Partner Business Area

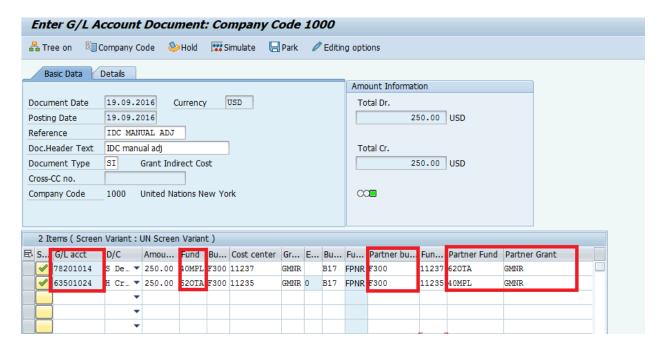
Dr. 11701010 (auto generated) GMNR, 62Fund, BA, Cost Center

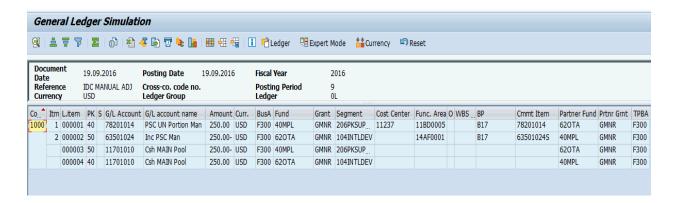
Cr. 11701010 (auto generated) Grant, 40 Fund, BA, Cost Center

- Transaction code: FV50;
- Use FI document type "SI";



- In the header of the document field "Reference", enter 'Manual adjustment' or other text which makes sense and identifiable to the entities;
- Partner Fund, Partner Grant and Partner Business Area are mandatory fields in manual postings;
- GL accounts for manual entry are:
 - 78201014, this line should always have WBSE or Cost Center incurred expenditures; Enter the GL, 40Fund, and WBSE or Cost Center which derives GMNR; Enter partner fund, partner grant and partner business area;
 - 63501024, this line should always have GMNR; Enter cost center, partner fund,
 GMNR as partner grant, and trading partner business area;

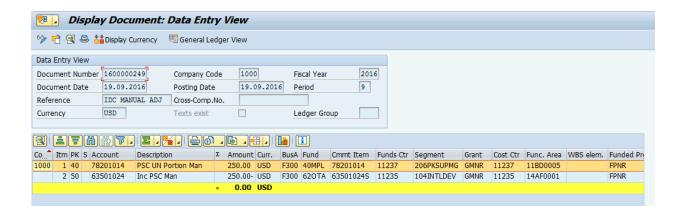




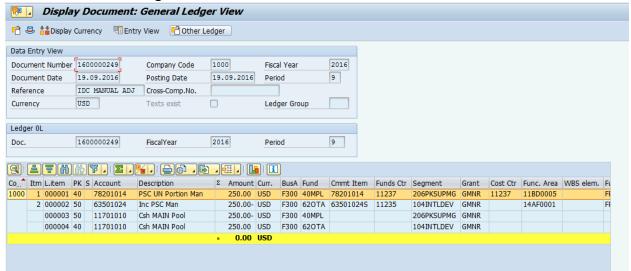
Document entry view

Grant Management – Indirect Support Costs (IDC) Process





Document General Ledger View





Chapter 4 Indirect Support Cost Posting Run and Period-end Closing

During month/year end closing activities, many batch programs are run. It is necessary that the following batch programs be performed first before the GMIDCPOST program is run.

- FI Balance Sheet Revaluation
- FI Open Item Revaluation
- Purchase Order Revaluation
- EMF Revaluation
- Asset Management Deprecation

The settlement and closing of service orders should be performed after the GMIDCPOST in the following sequence:

- 1. Run GMIDCPOST job Performed by designated officers in the Account Division with both GM Support role and FI Support role.
- 2. Run Settlement of all orders that are have the status Technically completed (TECO) Performed by FA Support role.
- 3. Close all service orders that were settled Performed by FA Support role.



Chapter 5 Indirect Support Costs Report

The following developments on IDC are ongoing:

- 1. A Business Intelligence (BI) GM IDC report that will identify the Umoja opening balance and the subsequent revenue and expenditures in the PSC fund that are attributable to each entity is being finalized. The entities will be informed as soon as the BI GM IDC report is validated and released in the Production Environment. A separate job-aid will be issued accordingly.
- 2. An enhancement of ZGMIDCPOST that will populate Trading Partner Business Area, Partner Fund and Partner Grant, and inherit the Fund Center and Business Area from the GMIDCPOST instead of default setting for each 62XXX fund to enable PSC revenue generated by each entity to be distinguishable from those of others is undergoing final test.



Revision History (Soft Copy only)

Date	Version	Prepared by	Description		
15.09.2016	1	Hongfan Hu	Initial		
22.09.2016	1	Kenneth Medved	1 st Reviewer		
05.12.2016	1	Elsa Bonecillo-Deniega	2 nd Reviewer		
07.12.2016	1	Hongfan Hu	Final Reviewer		