ORACLE FLEXCUBE

Accelerator Pack 12.4 – Product Catalogue

Integrated liquidity management



Table of Contents

Table o	of Contents	2				
Overvie	ew & Objectives	3				
Produc	t Catalogue	4				
1. ILI	M Pooling	4				
1.1.	Business Scenario	4				
1.2.	Synopsis	4				
1.3.	Detailed Coverage	4				
1.4.	Account class - ILM001	4				
1.5.	Rule definition	5				
1.6.	Product	6				
1.7.	Additional information	8				
2. ILI	M Sweeping	9				
2.1.	Business Scenario	9				
2.2.	Synopsis	9				
2.3.	Detailed Coverage	9				
2.4.	Account class –ILM002	9				
2.5.	Rule definition	10				
2.6.	Product	10				
2.7.	Additional information1					
3. ILI	M Pooling and Sweep	13				
3.1.	Business Scenario	13				
3.2.	Synopsis	13				
3.3.	Detailed Coverage	13				
3.4.	Account class – ILM003	13				
3.5.	Rule Coverage	14				
3.6.	Product	15				
3.7.	Additional information	17				
4. Int	tegrated liquidity management – Other maintenances	18				
4.1.	Event class code maintenance	18				
4.2.	Group code maintenance	18				

Overview & Objectives

Liquidity Management refers to the services the bank provides to its corporate customers thereby allowing them to optimize interest on their checking / current accounts and pool funds from different accounts.

- The Integrated Liquidity Management (ILM) module in Oracle FLEXCUBE supports
 multibranch, multi-currency liquidity management structure using architecture of 'System
 Accounts'. This enables the system to keep track of balances in accounts in the
 structure, calculate interest on the accounts in the structure as well as track the history of the
 sweep / pool structure.
- Liquidity management services are broadly classified as under
 - Sweeping where physical funds are moved in account structure from child to parent or parent to child.
 - Pooling where funds are not physically moved in and out of accounts. Instead,
 the

account balances are notionally consolidated and 'interest computations' carried out such notional balances

- Options available to automate periodic processes such as :
 - o Accrual of accounts
 - Liquidation of deposits on liquidation frequency defined

Product Catalogue

1. ILM Pooling

This offering has all basic features that are needed for a corporate customer to open an account which could participate in the pooling account structure either as a header, Parent or Child This product would be used to pool the whole balances of all the accounts maintained in an account structure notionally.

1.1. Business Scenario

The corporate customers used to create account structure to pool the balances across the accounts in order to avoid the debit interest charged by the bank and to optimize the credit interest as well. Funds are not physically moved in and out of accounts. Instead, the account balances are notionally consolidated to a header account of the account structure and "Interest computation" will be carried out on such notional balances.

1.2. Synopsis

- o Booking of deposit with pooling facility
- o Tax withhoding on the interest amount liquidated
- o Integrated liquidated management option is enabled

1.3. Detailed Coverage

- o Deposits can be opened in GBP,AUD,INR & USD currencies under this account class
- o Daily Interest accruals for pool or sweep balances.
- Liquidation at monthly ends
- Back value dated interest adjustments for accruals and liquidations
- The account will get the credit or debit interest as per the amount it contributed to its parent
- o Facility to calculate interest based on pool header and reallocation interest products

1.4. Account class - ILM001

Account Class -> Details		
Account Type	Current	
Account statement format	ACST_DETAILED	

Account Class -> Preferences			
Overdraft	Yes		
Track receivable	Yes		
Account statistics	Yes		
Exclude Same Day Reversal Transactions	Yes		
from Statement			
Back period entry allowed	Yes		
Interest charges	Yes		

Track accrued interest	Yes
Debit credit advices	Yes
Posting allowed	Yes
Interest statement	Yes
Available balance check required	Yes
Integrated liquidity management	Yes

1.5. Rule definition

IC Rule Features – PHR1		
SDE's	DAYS,ILVD_ULT_CR_BAL, ILVD_ULT_DR_BAL	
UDE's	HCR_RATE, HDR_RATE, HTAX_RATE	

Rule Definition – PHR1				
Formu	Accru			
la No	al	Туре	Condition	Result
				(ILVD_ULT_DR_BAL*HDR_R
1	Yes	Book	(ILVD_ULT_DR_BAL)>0	ATE*DAYS)/36500
				(ILVD_ULT_CR_BAL*HCR_RA
2	Yes	Book	ILVD_ULT_CR_BAL>0	TE*DAYS)/36500
				ROUND(FORMULA2*HTAX_
3	No	Tax	FORMULA2>0	RATE/100,2)

IC Rule Features – PRC1		
SDE's	DAYS,ILVD_CP_CR_CONT, ILVD_CP_DR_CONT, ILVD_NCP_CR_CONT, ILVD_NCP_DR_CONT	
UDE's	CCR_RATE, CDR_RATE, CTAX_RATE	

	Rule Definition – PRC1			
Formu	Accru			
la No	al	Туре	Condition	Result
				((ILVD_CP_DR_CONT +
			(ILVD_CP_DR_CONT +	ILVD_NCP_DR_CONT) *
1	Yes	Book	ILVD_NCP_DR_CONT) > 0	CDR_RATE * DAYS) / 36500
				((ILVD_CP_CR_CONT +
			(ILVD_CP_CR_CONT +	ILVD_NCP_CR_CONT)*
2	Yes	Book	ILVD_NCP_CR_CONT) > 0	CCR_RATE * DAYS) / 36500
				ROUND(FORMULA2*
3	No	Tax	FORMULA2>0	CTAX_RATE / 100,2)

IC Rule Features – NINT		
SDE's	DAYS,VD_DLY_CR_BAL_M, VD_DLY_DR_BAL_M	
UDE's	NORMAL_RATE1, NORMAL_RATE2	

	Rule Definition – NINT				
Formu	Accru				
la No	al	Туре	Condition	Result	
				(VD_DLY_DR_BAL_M*NOR	
				MAL_RATE1*DAYS)/(365*10	
1	Yes	Book	VD_DLY_DR_BAL_M< 0	0)	
				(VD_DLY_CR_BAL_M*NORM	
2	Yes	Book	VD_DLY_CR_BAL_M > 0	AL_RATE2*DAYS)/(365*100)	

1.6. Product

Product Features – PHR1			
Product Code	PHR1		
Description	ILM POOL HEADER		
Product Type	Interest		
Product Group	IC		
Product group description	Interest and Charges		
Booking account type	Interest		
IC Rule	PHR1		
IC Rule description	ILM POOL HEADER		

Product Preference – PHR1			
Product Level	Yes		
Accrual Frequency	Daily		
Payment Method	Bearing		
Liquidation cycle	1 month		
Defer Liquidation	No		
Liquidation at Month ends	Yes		
Back Value Recalculation Flag	Yes		
Start from account Opening	No		
ILM product	Yes		
ILM type	Pool lead		

	Account Classes Mapping – PHR1				
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover
ILM001	GBP	Yes	Yes	No	No
ILM001	AUD	Yes	Yes	No	No
ILM001	USD	Yes	Yes	No	No

-						i i	
	ILM001	INR	Vac	Yes	No	No	
	ILIVIOUT	IIVIN	162	163	INU	INU	

Product Features – PRC1				
Product Code	PRC1			
Description	ILM POOL REALLOCATION			
Product Type	Interest			
Product Group	IC			
Product group description	Interest and Charges			
Booking account type	Interest			
IC Rule	PRC1			
IC Rule description	ILM POOL REALLOCATION			

Product Preference – PRC1				
Product Level	Yes			
Accrual Frequency	Daily			
Payment Method	Bearing			
Liquidation cycle	1 month			
Defer Liquidation	No			
Liquidation at Month ends	Yes			
Back Value Recalculation Flag	Yes			
Start from account Opening	No			
ILM product	Yes			
ILM type	Pool reallocation			

	Account Classes Mapping – PRC1					
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover	
ILM001	GBP	Yes	Yes	No	No	
ILM001	AUD	Yes	Yes	No	No	
ILM001	USD	Yes	Yes	No	No	
ILM001	INR	Yes	Yes	No	No	

Product Features – NINT				
Product Code	NINT			
Description	ILM Simple product			
Product Type	Interest			
Product Group	IC			
Product group description	Interest and Charges			
Booking account type	Interest			
IC Rule	NINT			
IC Rule description	ILM Simple rule			

Product Preference – NINT		
Product Level	No	
Accrual Frequency	Daily	
Payment Method	Bearing	

Liquidation cycle	1 month
Defer Liquidation	No
Liquidation at Month ends	Yes
Back Value Recalculation Flag	Yes
Start from account Opening	No
Receivable General legder	132000005
ILM product	No

	Account Classes Mapping — NINT					
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover	
ILM001	GBP	Yes	Yes	No	No	
ILM001	AUD	Yes	Yes	No	No	
ILM001	USD	Yes	Yes	No	No	
ILM001	INR	Yes	Yes	No	No	

1.7. Additional information

o ILM event code ILMTEST is maintained and attached to IL branch parameter

2. ILM Sweeping

This offering has all basic features that are needed for a corporate customer to open an account which could participate in the pooling account structure either as a header, Parent or Child This product would be used to sweep the balances of all the accounts maintained in an account structure. Physical funds are moved in account structure from child to parent or parent to child.

2.1. Business Scenario

The corporate customers used to create account strutture to sweep the balances across the accounts in order to avoid the debit interest charged by the bank and to optimize the credit interest as well. Accounts belongs to the same corporate would be participated in a group. Funds are physically moved in and out of accounts and "Interest computation" will be carried out on the physical funds available in the account.

2.2. Synopsis

- Booking of deposit with sweep facility
- o Tax withhoding on the interest amount liquidated
- o Integrated liquidated management option is enabled

2.3. Detailed Coverage

- Deposits can be opened in GBP,AUD,INR& USD currencies under this account class
- o Daily Interest accruals for pool or sweep balances.
- Liquidation at monthly ends
- o Back value dated interest adjustments for accruals and liquidations
- The account will get the credit or debit interest as per the amount it contributed to its parent
- o Facility to calculate interest based reallocation interest product

2.4. Account class -ILM002

Account Class -> Details			
Account Type	Current		
Account statement format	ACST_DETAILED		

Account Class -> Preferences				
Overdraft	No			
Track receivable	Yes			
Account statistics	Yes			
Exclude Same Day Reversal Transactions	Yes			
from Statement				
Back period entry allowed	Yes			
Interest charges	Yes			
Track accrued interest	Yes			
Debit credit advices	Yes			
Posting allowed	Yes			
Interest statement	Yes			
Available balance check required	Yes			

2.5. Rule definition

	IC Rule Features – PRC1
SDE's	DAYS,ILVD_CP_CR_CONT, ILVD_CP_DR_CONT, ILVD_NCP_CR_CONT, ILVD_NCP_DR_CONT
UDE's	CCR_RATE, CDR_RATE, CTAX_RATE

	Rule Definition – PRC1					
Formu	Accru					
la No	al	Туре	Condition	Result		
				((ILVD_CP_DR_CONT +		
			(ILVD_CP_DR_CONT +	ILVD_NCP_DR_CONT)*		
1	Yes	Book	ILVD_NCP_DR_CONT) > 0	CDR_RATE * DAYS) / 36500		
				((ILVD_CP_CR_CONT +		
			(ILVD_CP_CR_CONT +	ILVD_NCP_CR_CONT) *		
2	Yes	Book	ILVD_NCP_CR_CONT) > 0	CCR_RATE * DAYS) / 36500		
				ROUND(FORMULA2*		
3	No	Tax	FORMULA2>0	CTAX_RATE / 100,2)		

IC Rule Features – NINT		
SDE's	DAYS,VD_DLY_CR_BAL_M, VD_DLY_DR_BAL_M	
UDE's	NORMAL_RATE1, NORMAL_RATE2	

	Rule Definition – NINT					
Formu	Accru					
la No	al	Туре	Condition	Result		
				(VD_DLY_DR_BAL_M*NOR		
				MAL_RATE1*DAYS)/(365*10		
1	Yes	Book	VD_DLY_DR_BAL_M< 0	0)		
				(VD_DLY_CR_BAL_M*NORM		
2	Yes	Book	VD_DLY_CR_BAL_M > 0	AL_RATE2*DAYS)/(365*100)		

2.6. Product

Product Features – PRC1				
Product Code	PRC1			
Description	ILM POOL REALLOCATION			
Product Type	Interest			
Product Group	IC			
Product group description	Interest and Charges			
Booking account type	Interest			

IC Rule	PRC1
IC Rule description	ILM POOL REALLOCATION

Product Preference – PRC1				
Product Level	Yes			
Accrual Frequency	Daily			
Payment Method	Bearing			
Liquidation cycle	1 month			
Defer Liquidation	No			
Liquidation at Month ends	Yes			
Back Value Recalculation Flag	Yes			
Start from account Opening	No			
ILM product	Yes			
ILM type	Pool reallocation			

Account Classes Mapping – PRC1					
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover
ILM002	GBP	Yes	Yes	No	No
ILM002	AUD	Yes	Yes	No	No
ILM002	USD	Yes	Yes	No	No
ILM002	INR	Yes	Yes	No	No

Product Features – NINT				
Product Code	NINT			
Description	ILM Simple product			
Product Type	Interest			
Product Group	IC			
Product group description	Interest and Charges			
Booking account type	Interest			
IC Rule	NINT			
IC Rule description	ILM Simple rule			

Product Preference – NINT				
Product Level	No			
Accrual Frequency	Daily			
Payment Method	Bearing			
Liquidation cycle	1 month			
Defer Liquidation	No			
Liquidation at Month ends	Yes			
Back Value Recalculation Flag	Yes			
Start from account Opening	No			
Receivable General legder	132000005			
ILM product	No			

Account Classes Mapping – NINT

Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance
ILM002	GBP	Yes	Yes	No	No
ILM002	AUD	Yes	Yes	No	No
ILM002	USD	Yes	Yes	No	No
ILM002	INR	Yes	Yes	No	No

2.7. Additional information

- o ILM event code ILMTEST is maintained and attached to IL branch parameter
- o Events SWBK and RVSW are maintained to facilitate sweeps

3. ILM Pooling and Sweep

This product purpose is to create an account which would be used either to Pool or Sweep the balances of all the accounts maintained in an account structure. As per the sweep type whether its pooling or sweeping used in the account structure the funds would be moved from child to parent or parent to child notionally or physically.

3.1. Business Scenario

The corporate customers used to create an account structure such that the accounts gets Pooled in top level and sweep the balances from the next level in the multilevel structure.

3.2. Synopsis

- o Booking of deposit with sweep and pool facility
- o Tax withhoding on the interest amount liquidated
- o Integrated liquidated management option is enabled

3.3. Detailed Coverage

- o Deposits can be opened in GBP,INR,AUD& USD currencies under this account class
- Daily Interest accruals for pool or sweep balances.
- Liquidation at month ends
- o Back value dated interest adjustments for accruals and liquidations
- The account will get the credit or debit interest as per the amount it contributed to its parent
- o Facility to calculate interest based lead, reallocation and normal interest product

3.4. Account class – ILM003

Account Class -> Details			
Account Type	Current		
Account statement format	ACST_DETAILED		

Account Class -> Preferences					
Overdraft	No				
Track receivable	Yes				
Account statistics	Yes				
Exclude Same Day Reversal Transactions	Yes				
from Statement					
Back period entry allowed	Yes				
Interest charges	Yes				
Track accrued interest	Yes				
Debit credit advices	Yes				
Posting allowed	Yes				
Interest statement	Yes				
Available balance check required	Yes				
Integrated liquidity management	Yes				

3.5. Rule Coverage

IC Rule Features – PHR1	
SDE's	DAYS,ILVD_ULT_CR_BAL, ILVD_ULT_DR_BAL
UDE's	HCR_RATE, HDR_RATE, HTAX_RATE

	Rule Definition – PHR1					
Formu	Accru					
la No	al	Туре	Condition	Result		
			(ILVD_ULT_DR_BAL*HDR_			
1	Yes	Book	(ILVD_ULT_DR_BAL)>0	ATE*DAYS)/36500		
			(ILVD_ULT_CR_BAL*HC			
2	Yes	Book	ILVD_ULT_CR_BAL>0 TE*DAYS)/36500			
			ROUND(FORMULA2*HTA			
3	No	Tax	FORMULA2>0 RATE/100,2)			

IC Rule Features – PRC1		
SDE's	DAYS,ILVD_CP_CR_CONT, ILVD_CP_DR_CONT, ILVD_NCP_CR_CONT, ILVD_NCP_DR_CONT	
UDE's	CCR_RATE, CDR_RATE, CTAX_RATE	

	Rule Definition – PRC1				
Formu	Accru				
la No	al	Туре	Condition	Result	
				((ILVD_CP_DR_CONT +	
			(ILVD_CP_DR_CONT +	ILVD_NCP_DR_CONT)*	
1	Yes	Book	ILVD_NCP_DR_CONT) > 0	CDR_RATE * DAYS) / 36500	
				((ILVD_CP_CR_CONT +	
			(ILVD_CP_CR_CONT +	ILVD_NCP_CR_CONT) *	
2	Yes	Book	ILVD_NCP_CR_CONT) > 0	CCR_RATE * DAYS) / 36500	
				ROUND(FORMULA2*	
3	No	Tax	FORMULA2>0	CTAX_RATE / 100,2)	

IC Rule Features – NINT	
SDE's	DAYS,VD_DLY_CR_BAL_M, VD_DLY_DR_BAL_M
UDE's	NORMAL_RATE1, NORMAL_RATE2

	Rule Definition – NINT				
Formu	Accru				
la No	la No al Type Condition Result				
	(VD_DLY_DR_BAL_M*NOR				
1	Yes	Book	VD_DLY_DR_BAL_M< 0	MAL_RATE1*DAYS)/(365*10	

				0)
				(VD_DLY_CR_BAL_M*NORM
2	Yes	Book	VD_DLY_CR_BAL_M > 0	AL_RATE2*DAYS)/(365*100)

3.6. Product

Product Features – PHR1			
Product Code	PHR1		
Description	ILM POOL HEADER		
Product Type	Interest		
Product Group	IC		
Product group description	Interest and Charges		
Booking account type	Interest		
IC Rule	PHR1		
IC Rule description	ILM POOL HEADER		

Product Preference – PHR1				
Product Level	Yes			
Accrual Frequency	Daily			
Payment Method	Bearing			
Liquidation cycle	1 month			
Defer Liquidation	No			
Liquidation at Month ends	Yes			
Back Value Recalculation Flag	Yes			
Start from account Opening	No			
ILM product	Yes			
ILM type	Pool lead			

	Account Classes Mapping — PHR1						
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover		
ILM003	GBP	Yes	Yes	No	No		
ILM003	AUD	Yes	Yes	No	No		
ILM003	USD	Yes	Yes	No	No		
ILM003	INR	Yes	Yes	No	No		

Product Features – PRC1			
Product Code	PRC1		
Description	ILM POOL REALLOCATION		
Product Type	Interest		
Product Group	IC		
Product group description	Interest and Charges		
Booking account type	Interest		
IC Rule	PRC1		
IC Rule description	ILM POOL REALLOCATION		

Product Preference – PRC1		
Product Level	Yes	

Accrual Frequency	Daily
Payment Method	Bearing
Liquidation cycle	1 month
Defer Liquidation	No
Liquidation at Month ends	Yes
Back Value Recalculation Flag	Yes
Start from account Opening	No
ILM product	Yes
ILM type	Pool reallocation

Account Classes Mapping – PRC1								
Account		Special condition	Rate change at	Rate change	Continue Variance			
class	Currency	only	Liquidation	on Rollover	on rollover			
ILM003	GBP	Yes	Yes	No	No			
ILM003	AUD	Yes	Yes	No	No			
ILM003	USD	Yes	Yes	No	No			
ILM003	INR	Yes	Yes	No	No			

Product Features – NINT				
Product Code	NINT			
Description	ILM Simple product			
Product Type	Interest			
Product Group	IC			
Product group description	Interest and Charges			
Booking account type	Interest			
IC Rule	NINT			
IC Rule description	ILM Simple rule			

Product Preference – NINT				
Product Level	No			
Accrual Frequency	Daily			
Payment Method	Bearing			
Liquidation cycle	1 month			
Defer Liquidation	No			
Liquidation at Month ends	Yes			
Back Value Recalculation Flag	Yes			
Start from account Opening	No			
Receivable General legder	132000005			
ILM product	No			

Account Classes Mapping – NINT							
Account class	Currency	Special condition only	Rate change at Liquidation	Rate change on Rollover	Continue Variance on rollover		
ILM003	GBP	Yes	Yes	No	No		
ILM003	AUD	Yes	Yes	No	No		
ILM003	USD	Yes	Yes	No	No		
ILM003	INR	Yes	Yes	No	No		

3.7. Additional information

 IL 	.M event code	ILMIESTIS	s maintained a	and attache	d to IL	_ branch	paramete
------------------------	---------------	-----------	----------------	-------------	---------	----------	----------

0	Events	SWBK	and RVSV	/ are	maintained	to	facilitate	sweeps
---	--------	------	----------	-------	------------	----	------------	--------

4. Integrated liquidity management – Other maintenances

Various maintenances to be done for ILM are listed in this section.

4.1. Event class code maintenance

Event class needs to be maintained for IL module with events as SWBK & RVSW to facilitate sweeps.

Event code ILMTEST is maintained and the below events have been maintained,

Events	Accounting role	Amount tag
SWBK	CHILD	CR_CONT
SWBK	CHILD	DR_CONT
SWBK	PARENT	CR_CONT
SWBK	PARENT	DR_CONT
RVSW	CHILD	CR_CONT
RVSW	CHILD	DR_CONT
RVSW	PARENT	CR_CONT
RVSW	PARENT	DR_CONT

4.2. Group code maintenance

Group code needs to be maintained with different parameters. Below group codes have been maintained in 001 branch,

Group code	Pool benefit	_	Intraday sweep		value		Reverse sweep
ILGRP	Yes	Value date	No	No	-	-	No
ILGRSW	Yes	Value date	Yes	No	-	-	Yes
ILGRBV	Yes	Value date	No	Yes	Monthly	1	Yes

ORACLE

Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

www.oracle.com/financialservices/

Copyright © [2007], [2014], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.