

# Non-local ID target interception

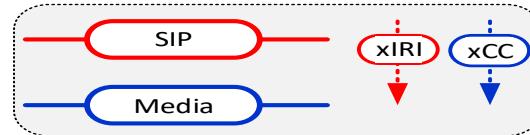
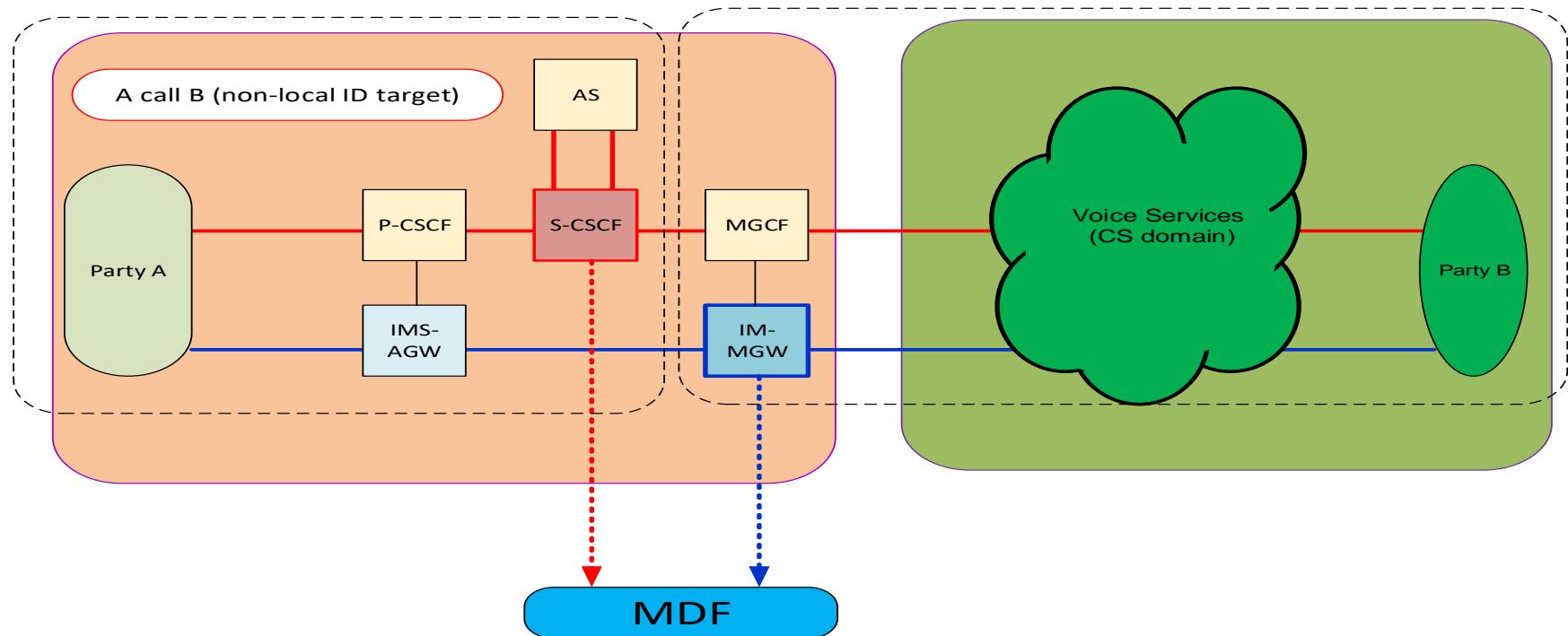
## Summary

Nagaraja (Nag) Rao; Boca Raton, FL

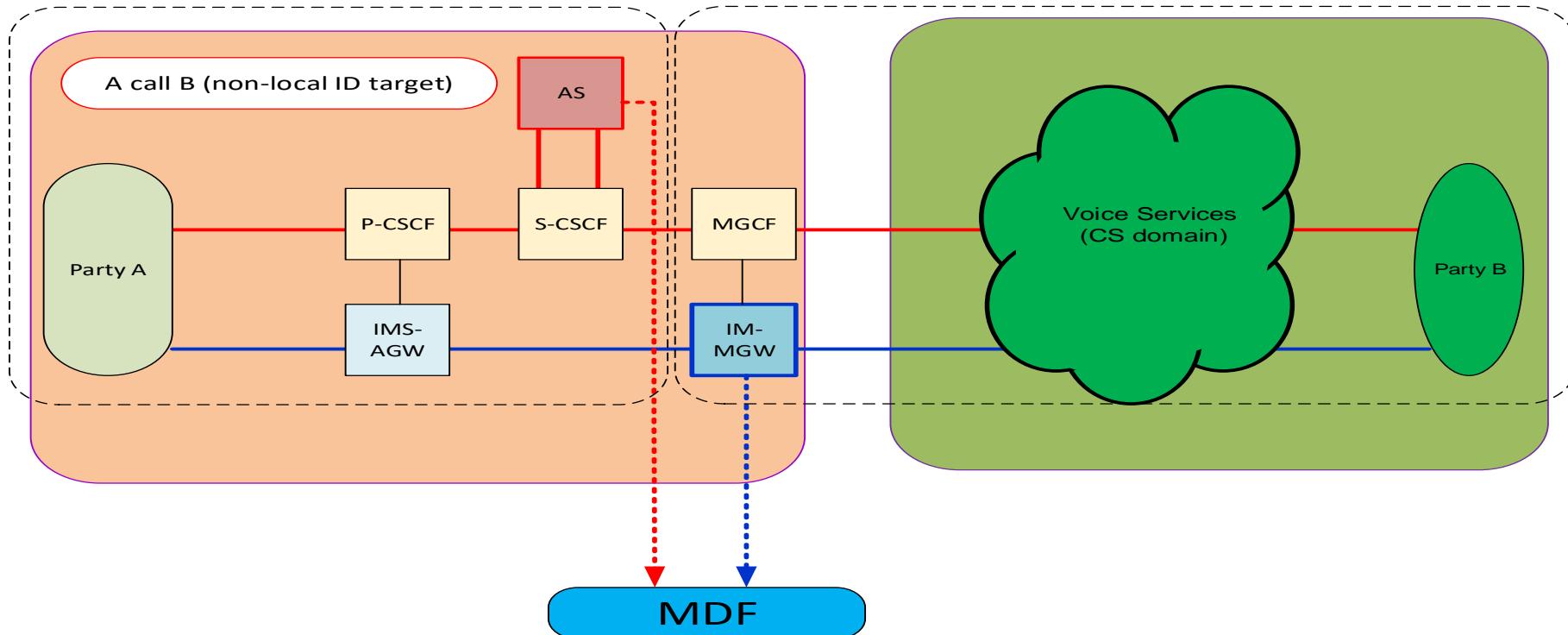
Case 1:  
Non-local ID target is in CS domain

# Destination is a non-local ID target at the CS domain

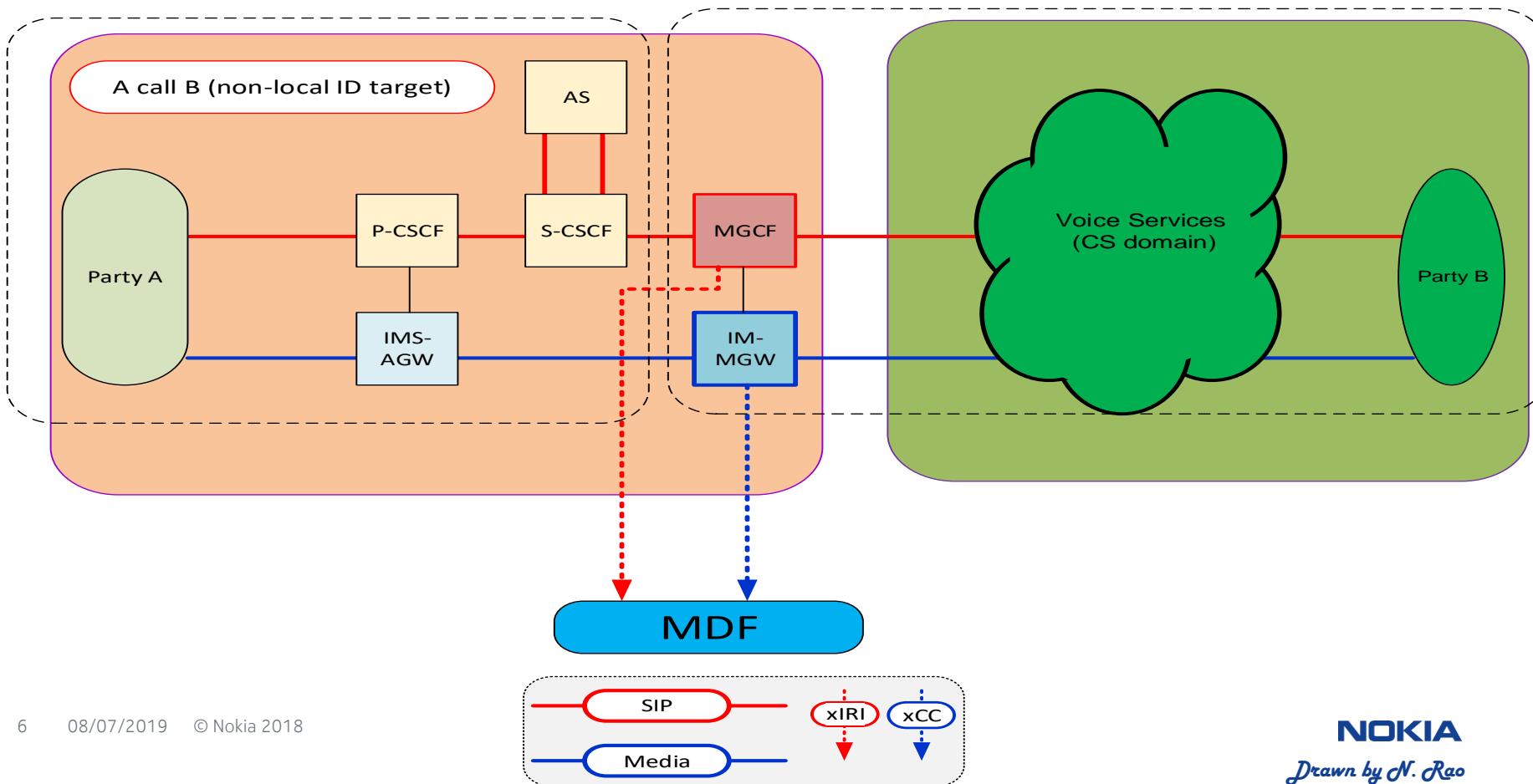
# Party A calls Party B (non-local ID target) – Default



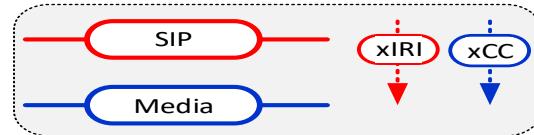
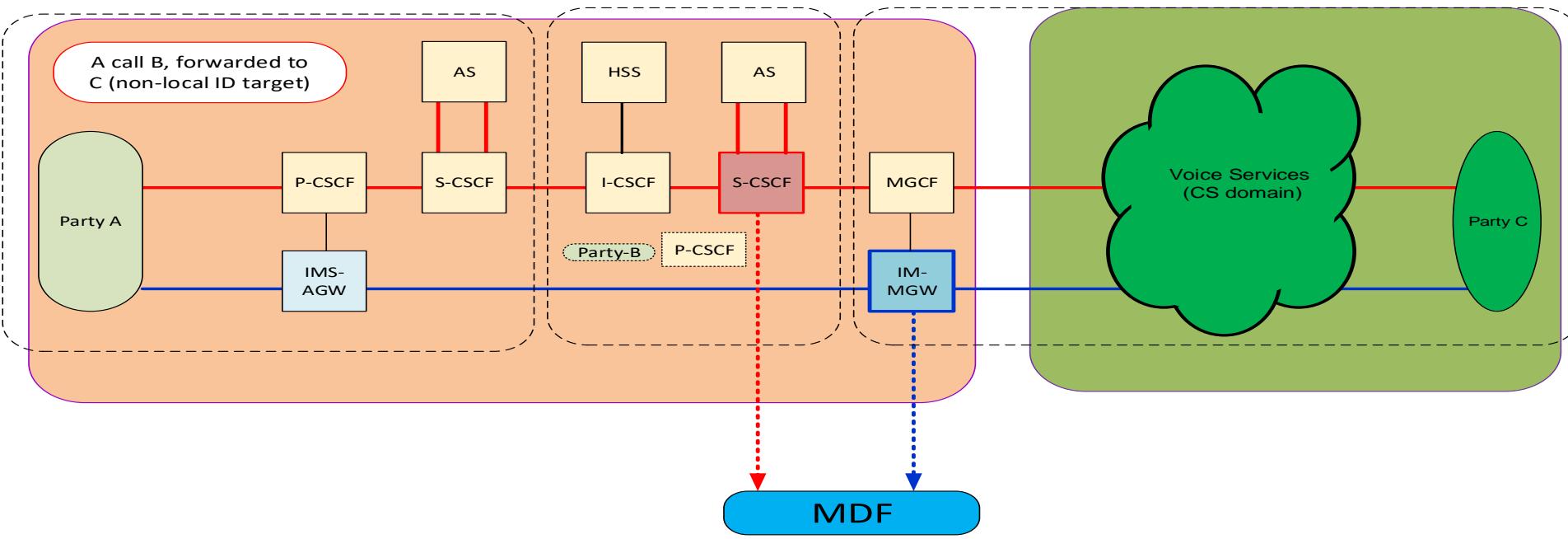
# Party A calls Party B (non-local ID target) – Option 1



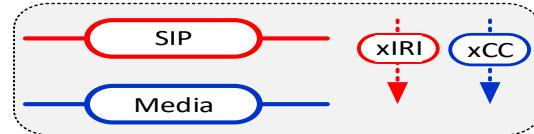
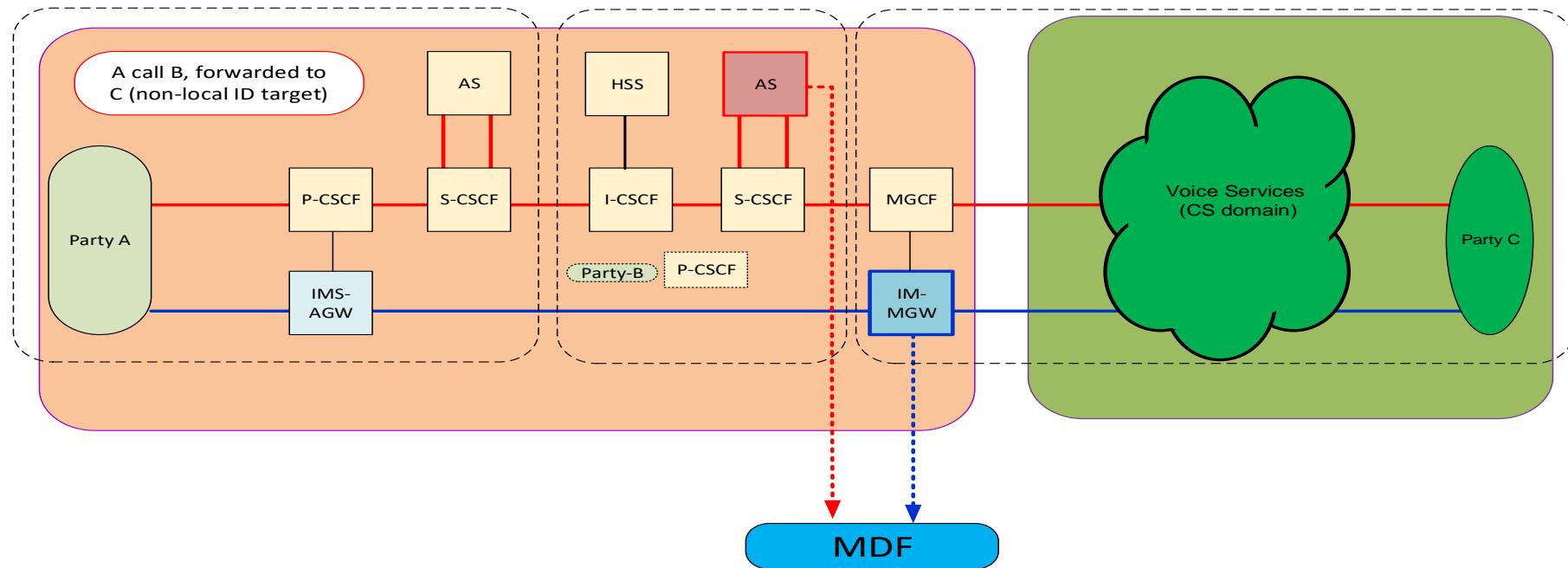
## Party A calls Party B (non-local ID target) – Option 2



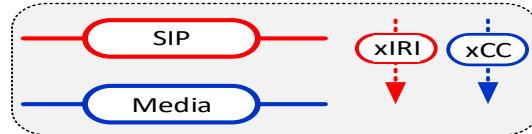
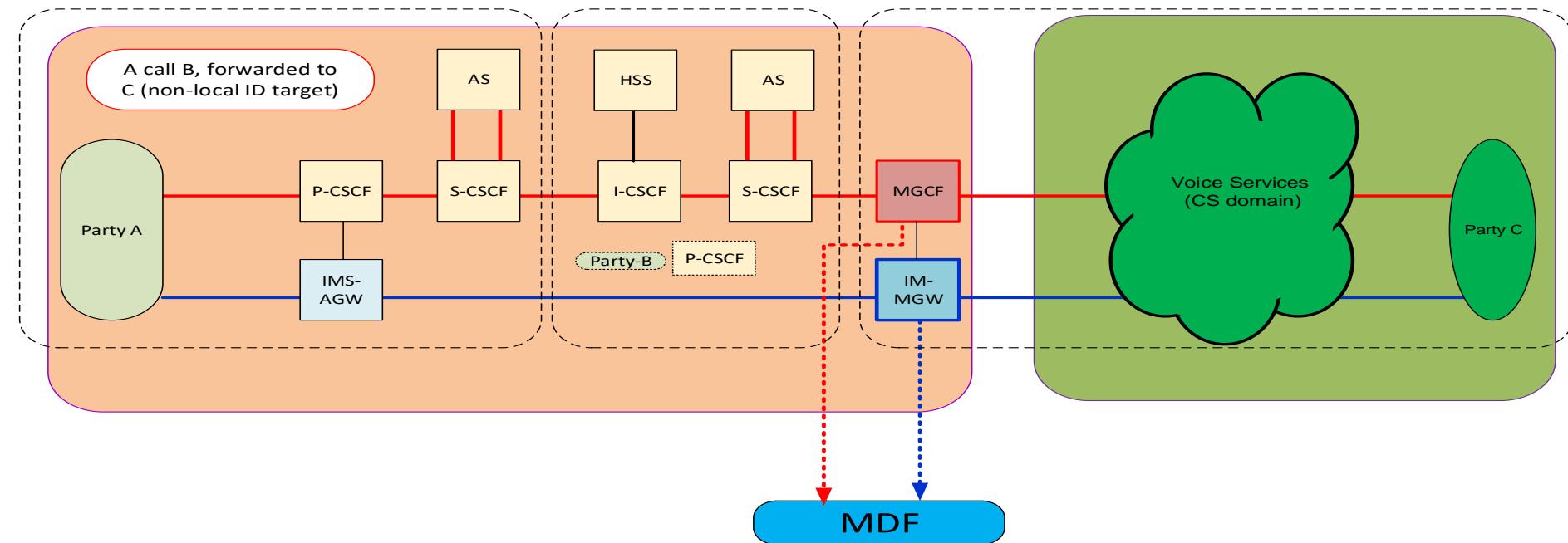
# Party A calls Party B and forwarded to C (non-local ID target) - Default



# Party A calls Party B and forwarded to C (non-local ID target) – Option 1



# Party A calls Party B and forwarded to C (non-local ID target) – Option 2

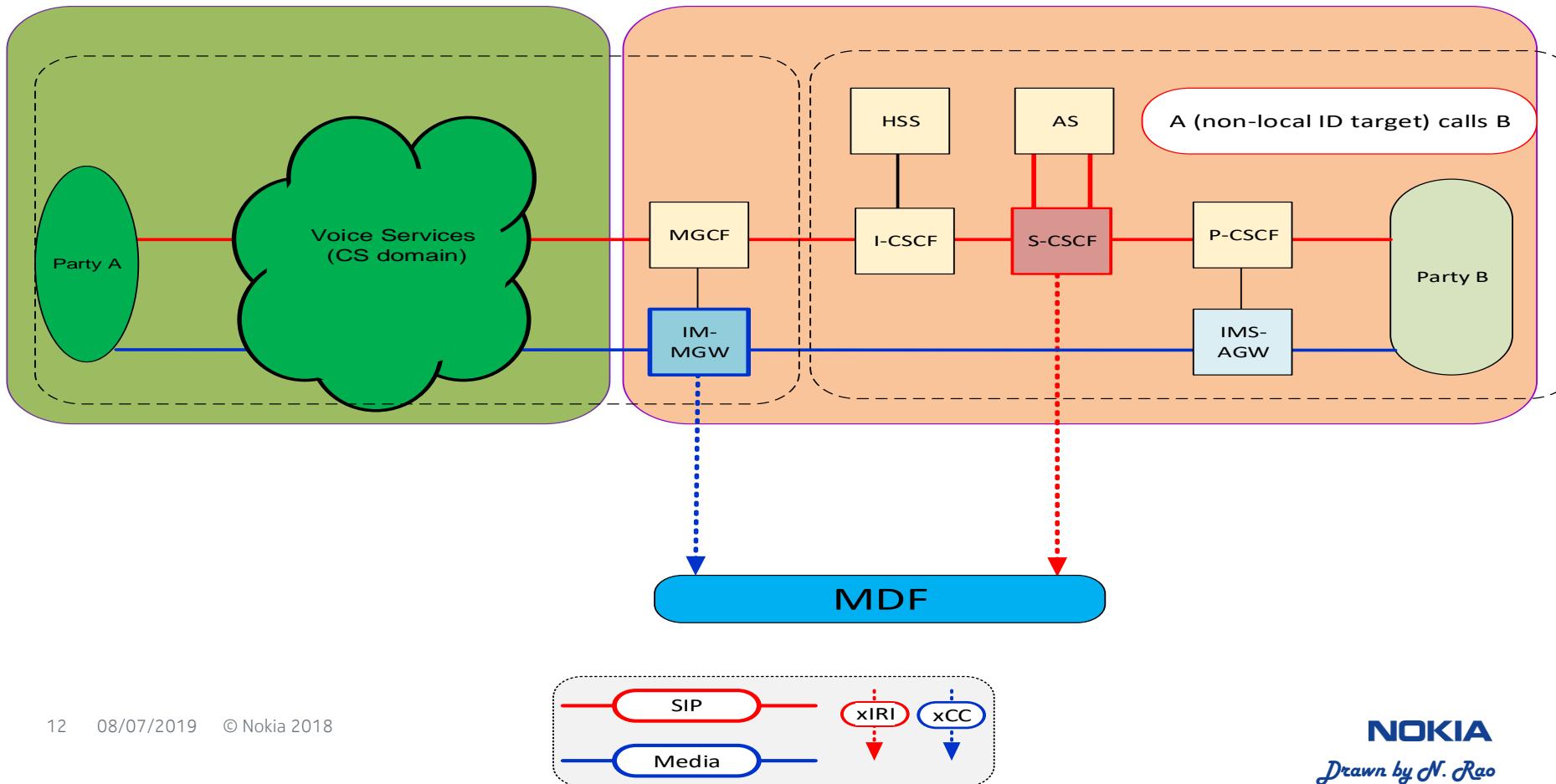


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

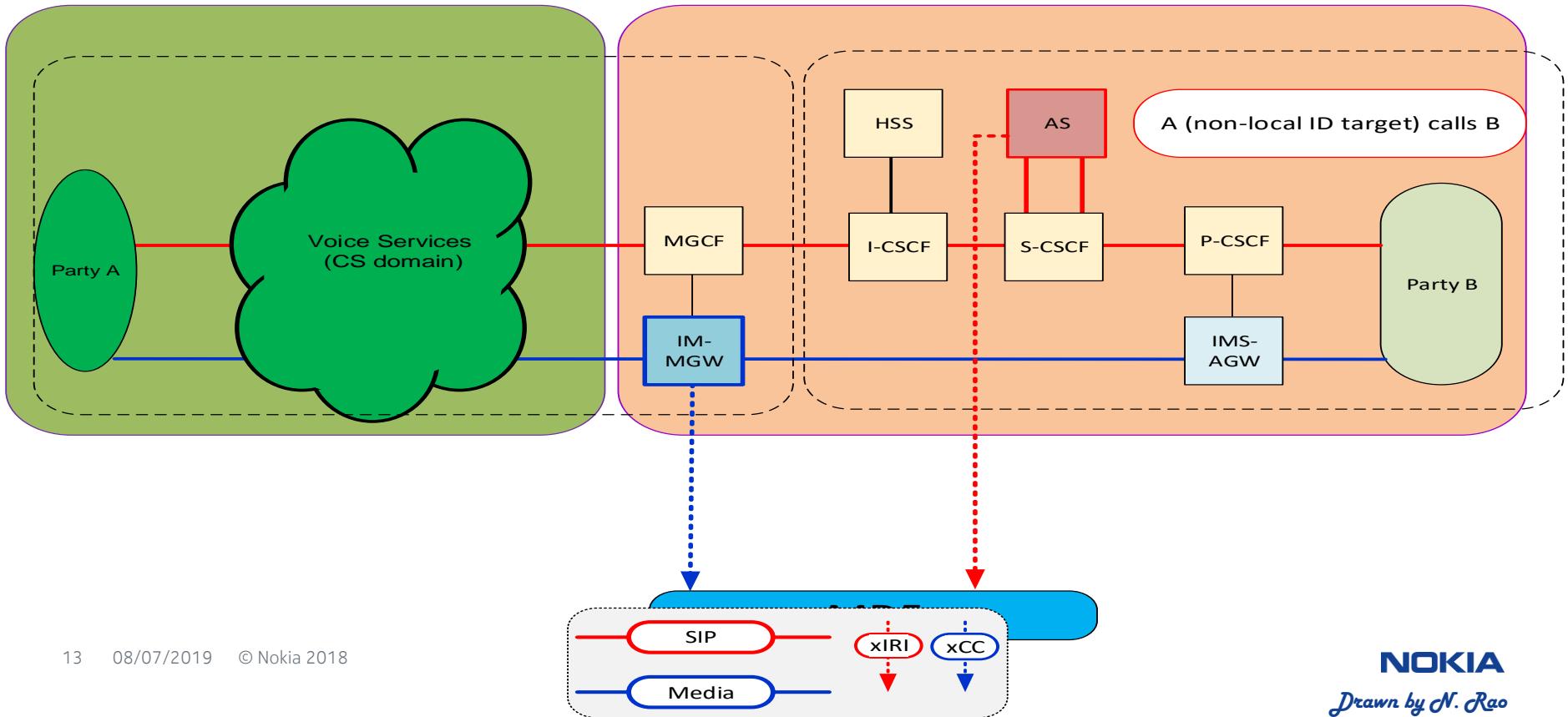
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

# Origination from a non-local ID target from the CS domain

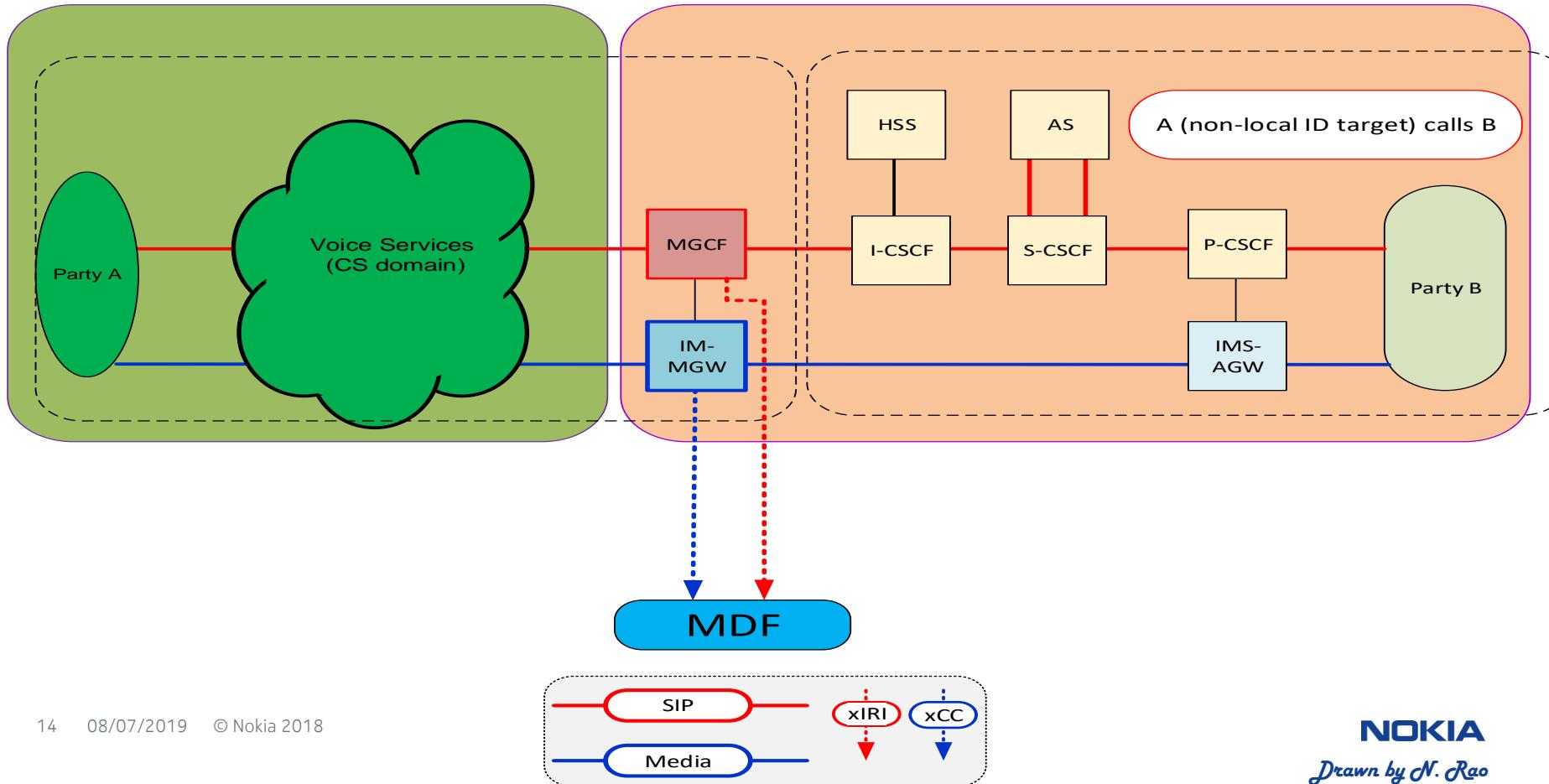
# Party A (non-local ID target) calls Party B - Default



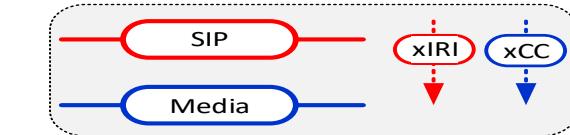
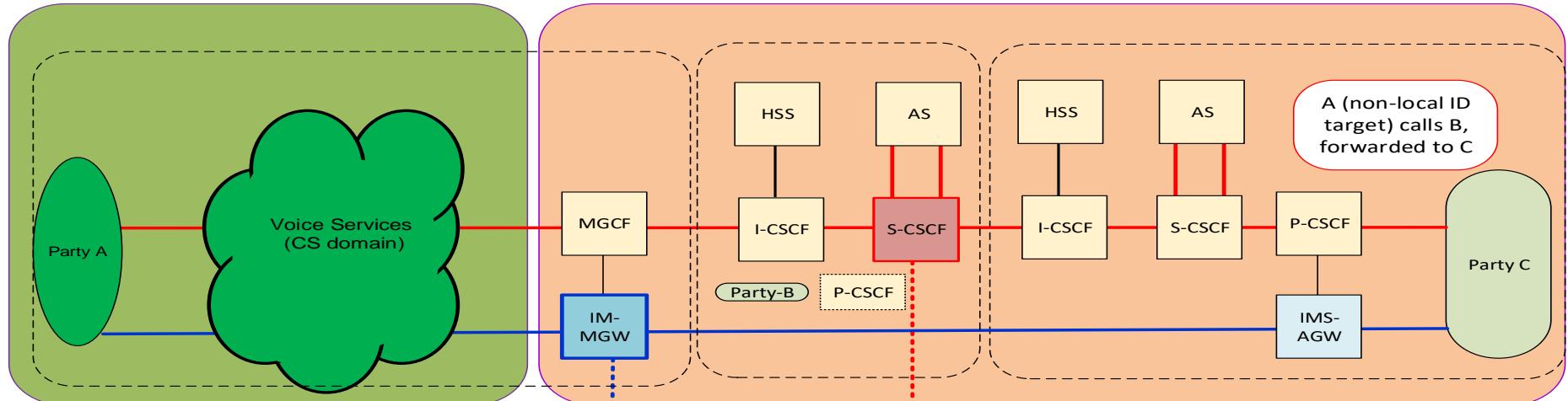
# Party A (non-local ID target) calls Party B – Option 1



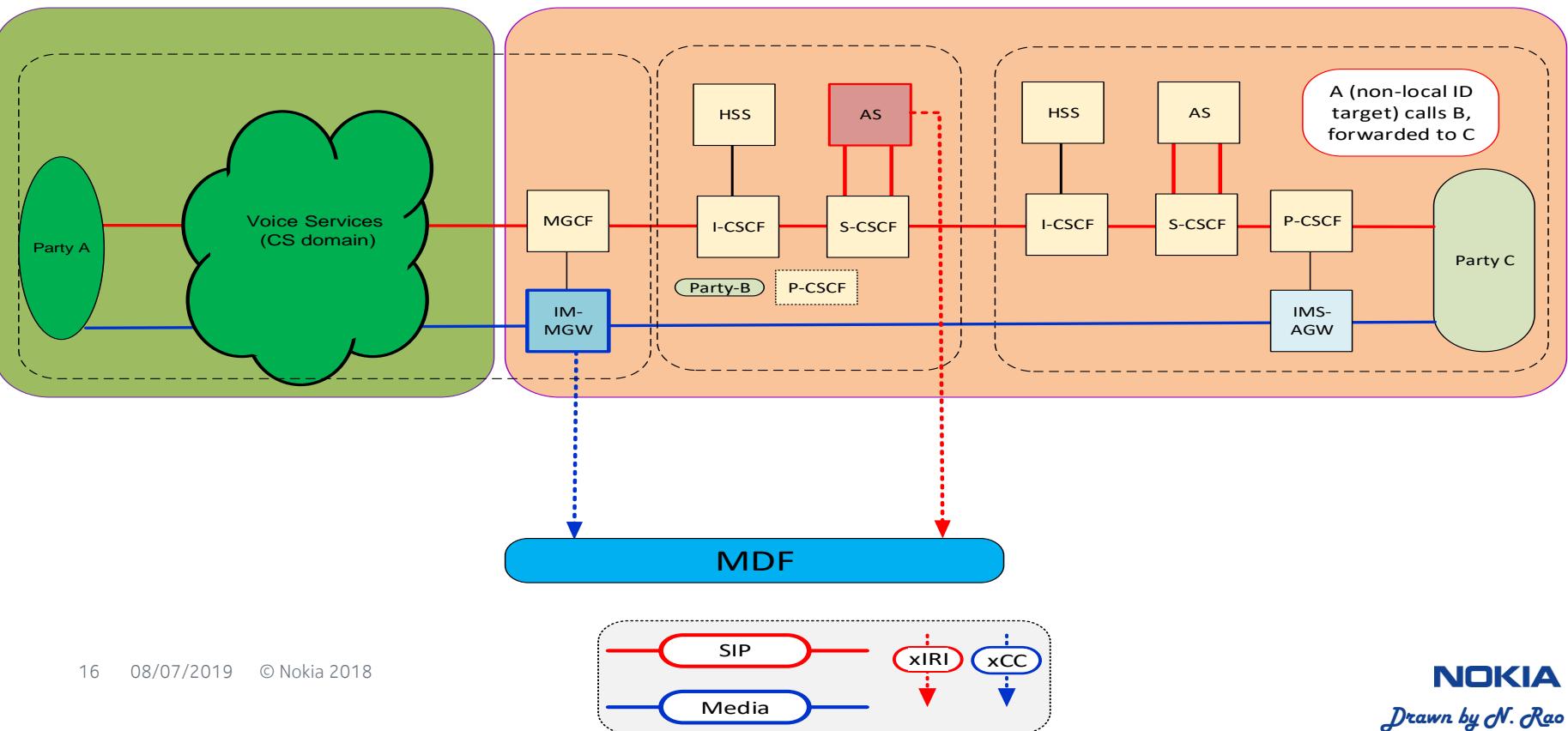
# Party A (non-local ID target) calls Party B – Option 2



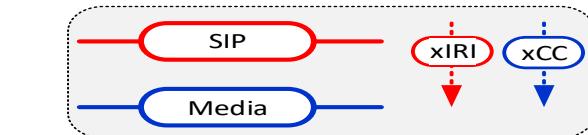
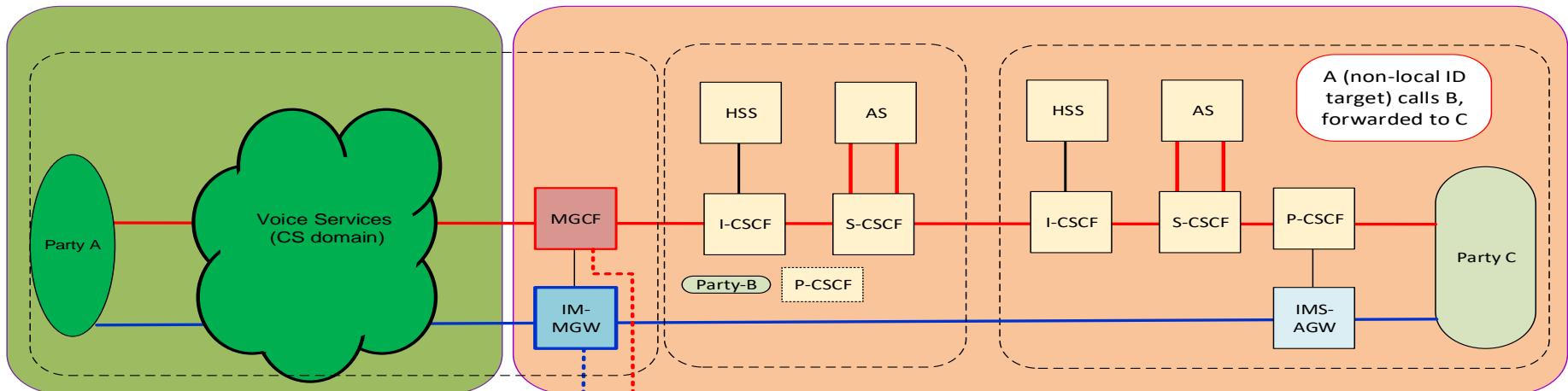
# Party A (non-local ID target) calls Party B forwarded to Party C - Default



# Party A (non-local ID target) calls Party B forwarded to Party C – Option 1



# Party A (non-local ID target) calls Party B forwarded to Party C – Option 2

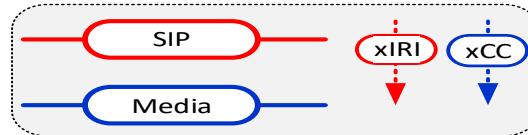
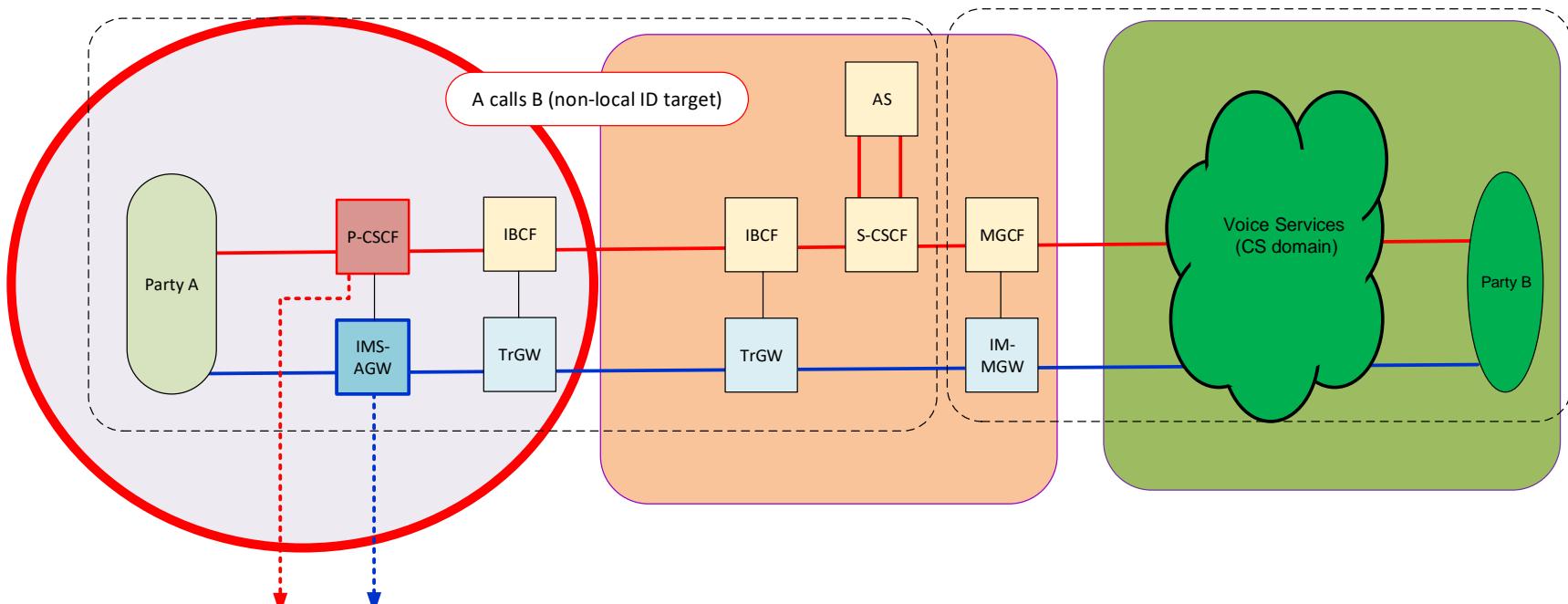


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

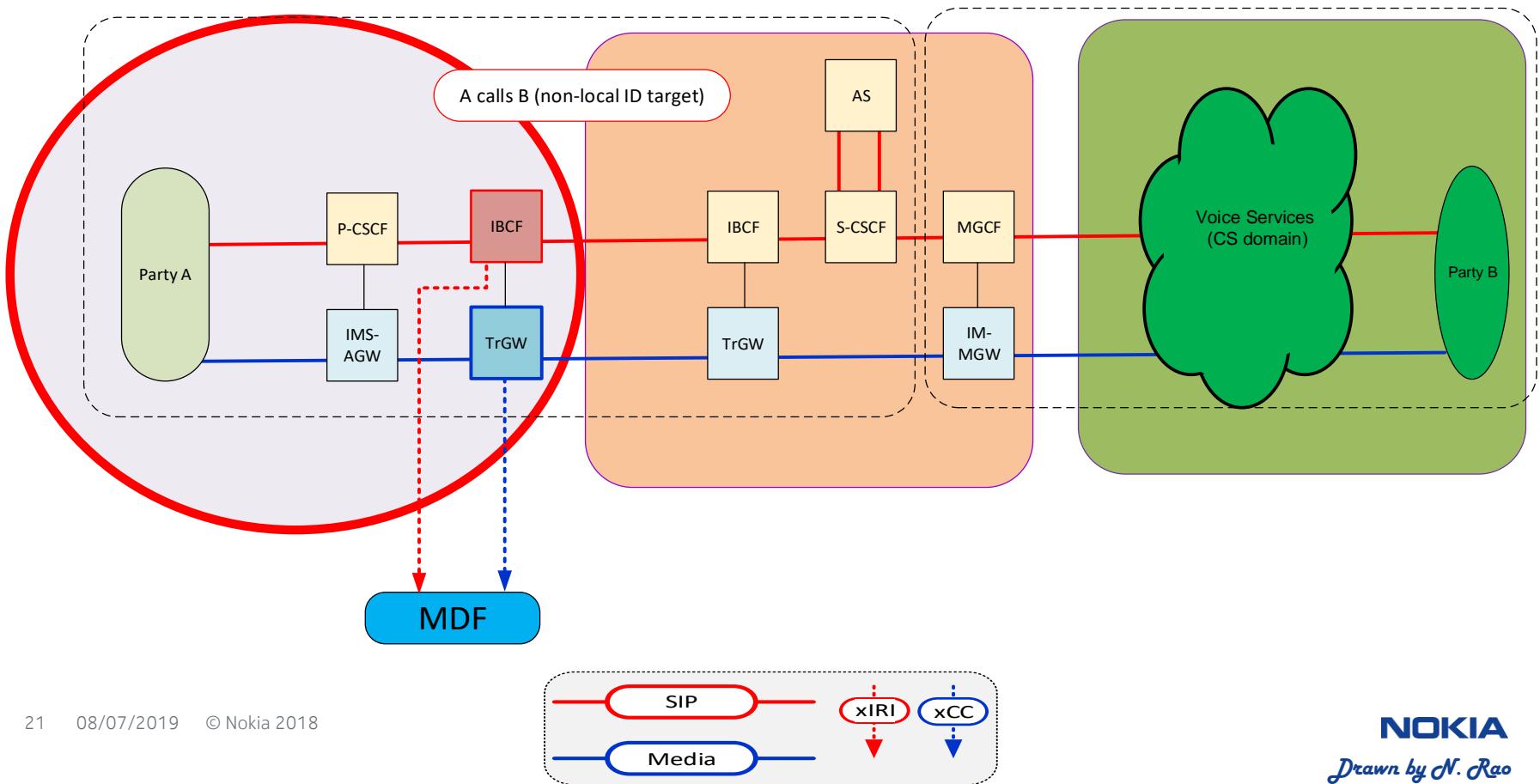
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

# Originating party is roaming with LBO Destination non-local ID target in CS domain

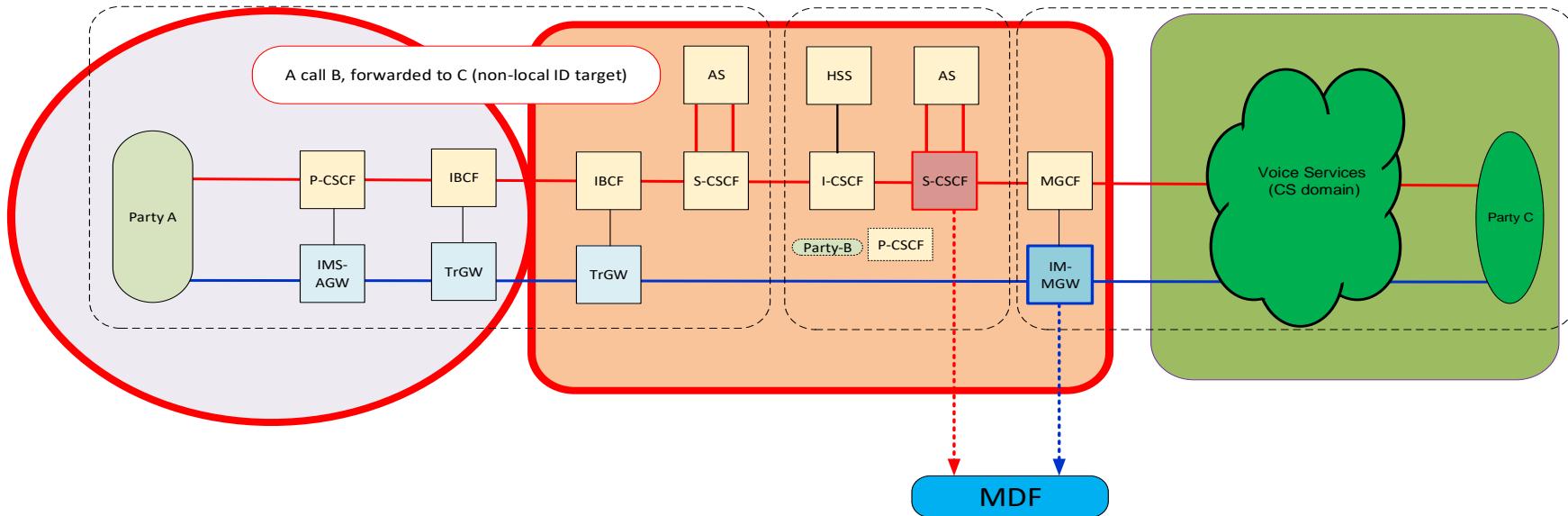
# VPLMN: Roaming Party A calls Party B (non-local ID target) - Default



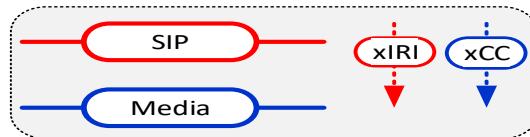
# VPLMN: Roaming Party A calls Party B (non-local ID target) – Option 2



# HPLMN, VPLMN: Roaming Party A calls Party B forwarded to Party C (non-local ID target) – with default of HPLMN



**HPLMN, same as non-roaming scenario, but no interception in VPLMN, as it does not see Party C.**

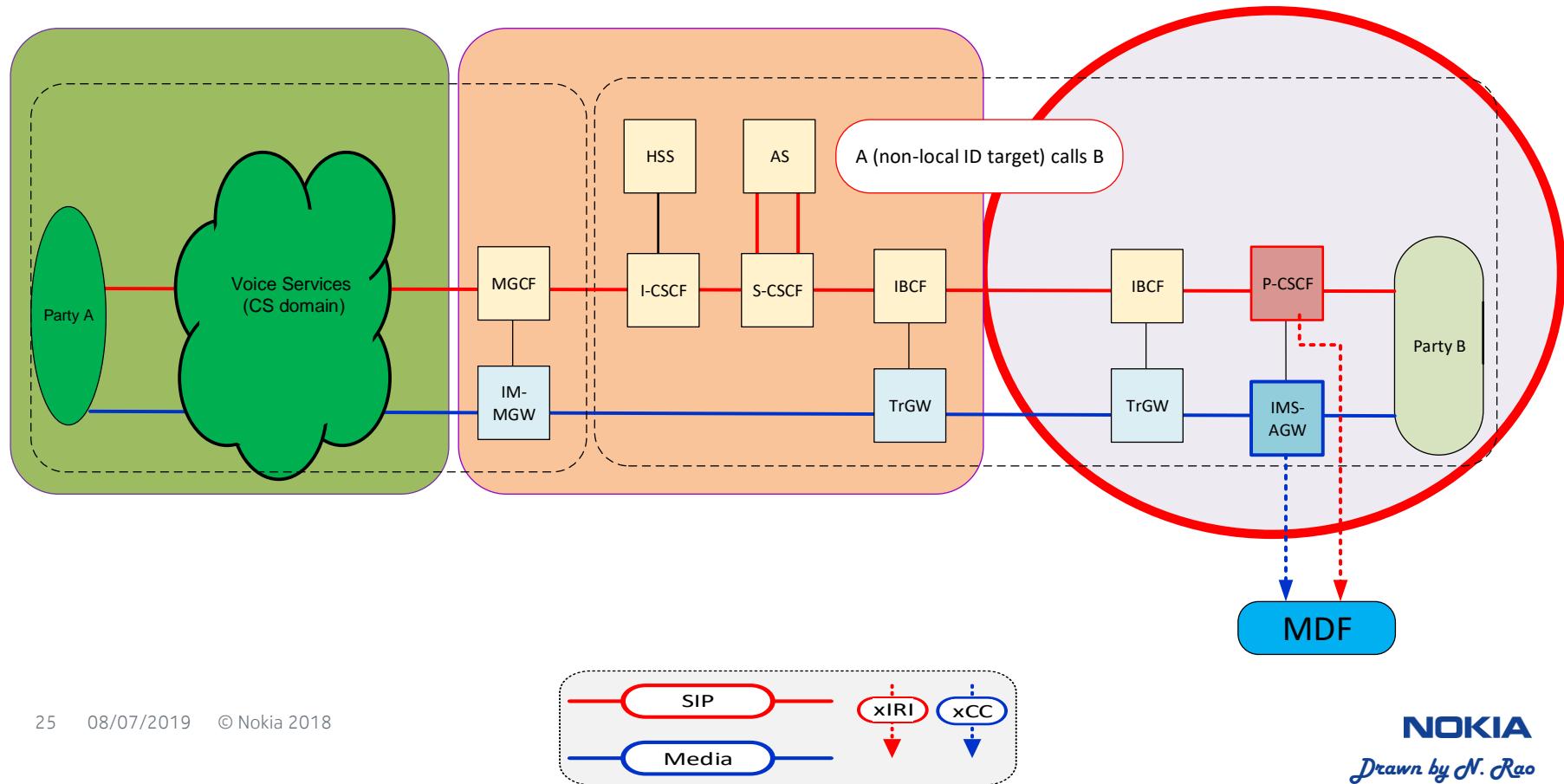


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

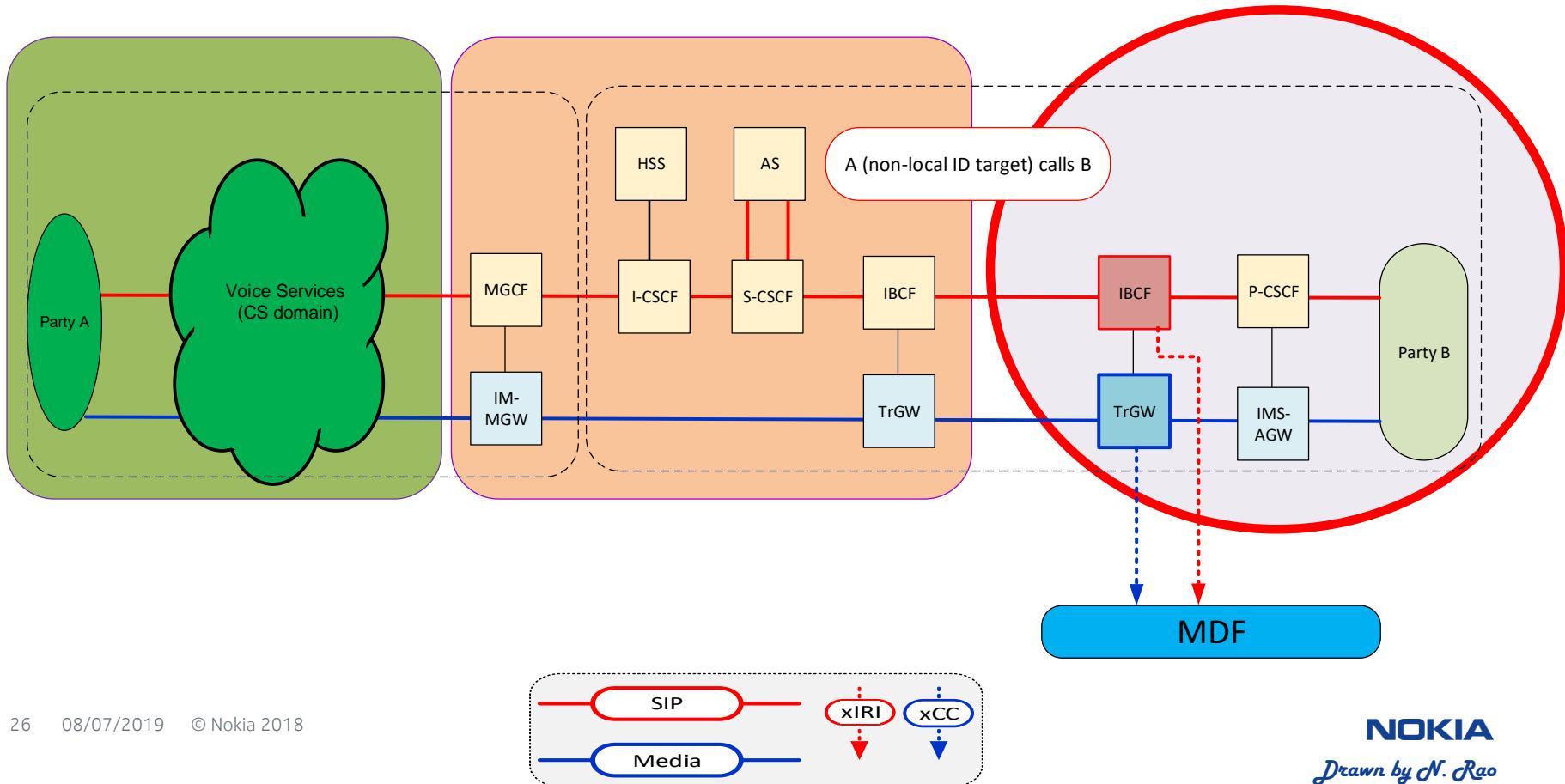
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

# Origination from non-local ID target in CS domain with destination party roaming with LBO

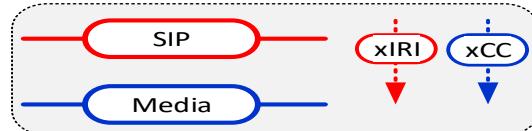
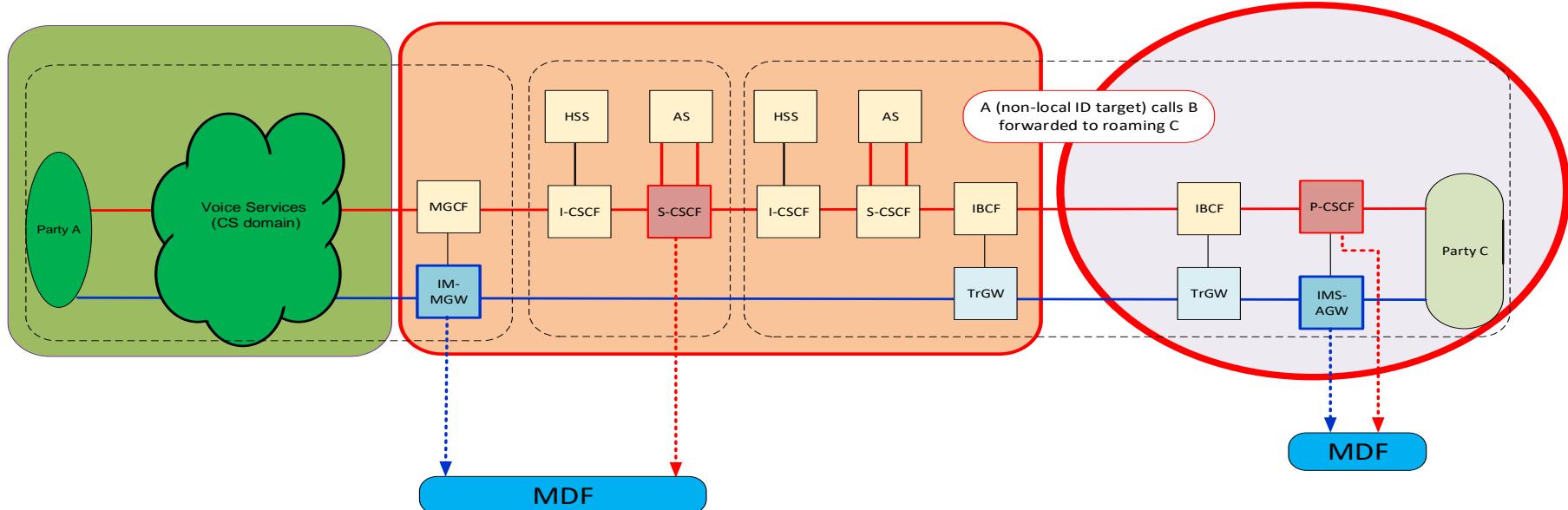
# VPLMN: Party A (non-local ID target) calls roaming Party B – Default



# VPLMN: Party A (non-local ID target) calls roaming Party B – Option 2



# HPLMN, VPLMN: Party A (non-local ID target) calls Party B forwarded to roaming Party C – with the default options of HPLMN and VPLMN



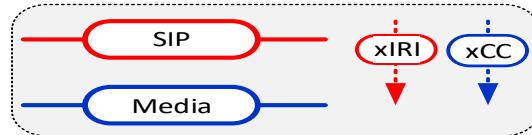
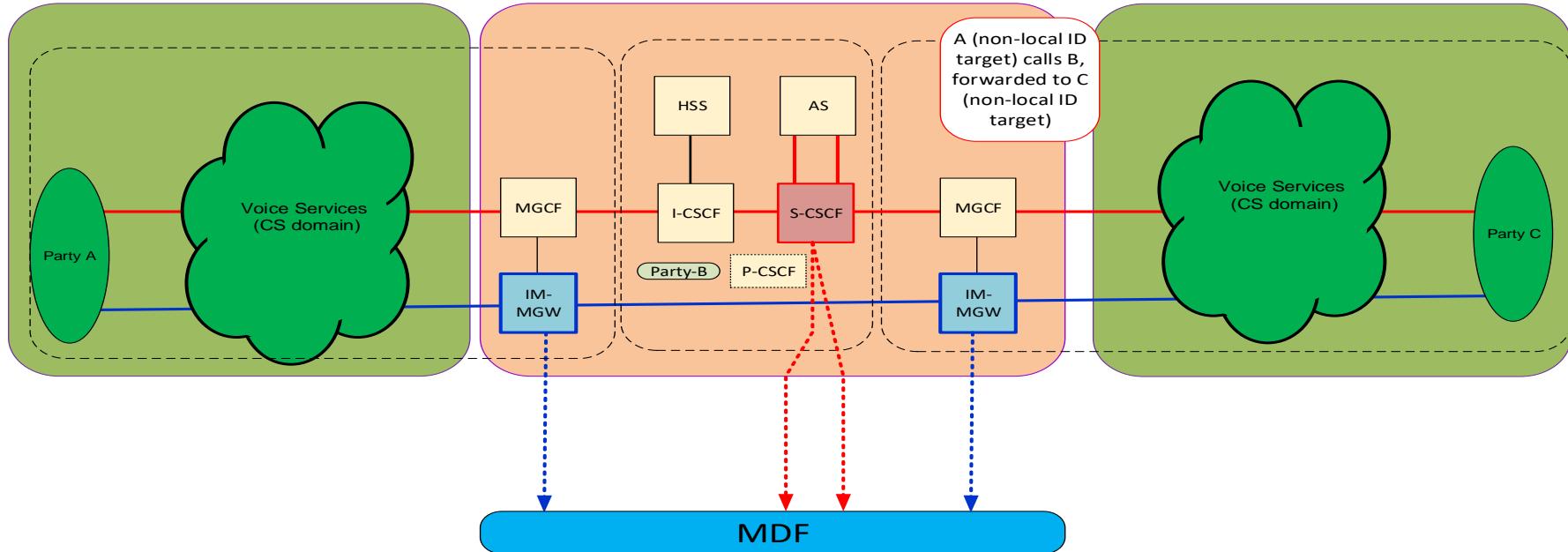
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW		TrGW		
Destination CS with OMR	n/a		n/a		IMS-AGW		IM-MGW		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW		TrGW		
Destination IMS with OMR	n/a		n/a		IMS-AGW		TrGW		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW		TrGW		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW		TrGW		

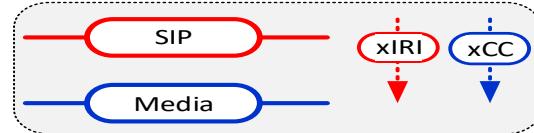
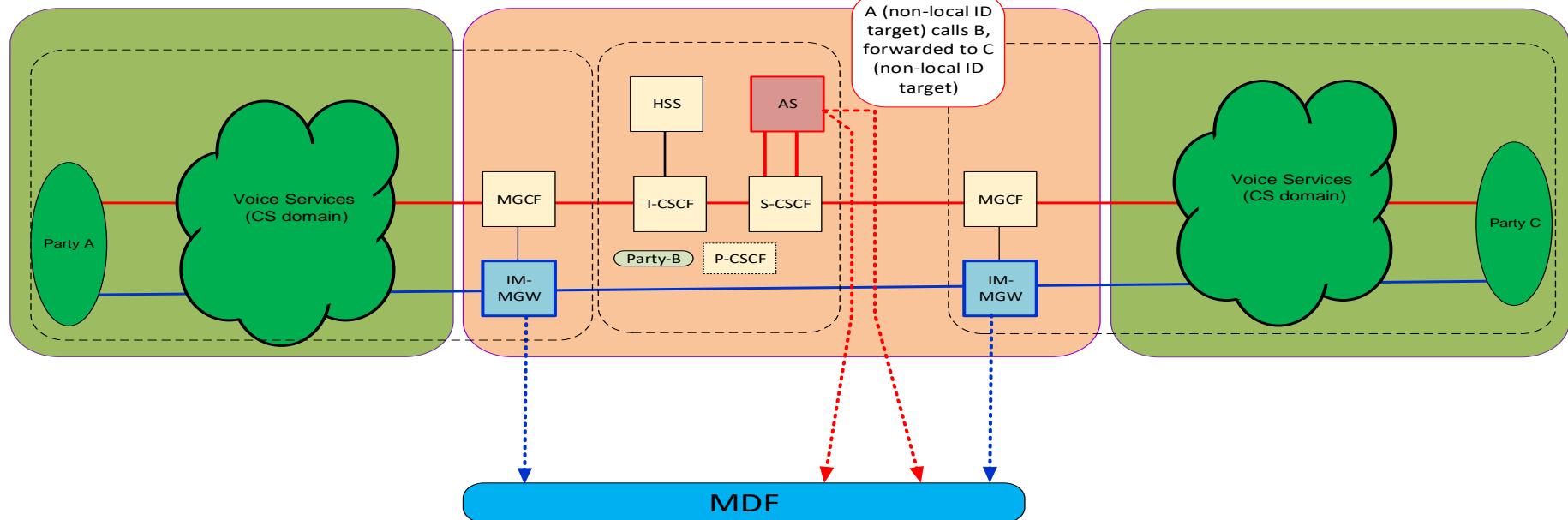
# **Origination from a non-local ID target from the CS domain**

# **Destination to a non-local ID target in the CS domain**

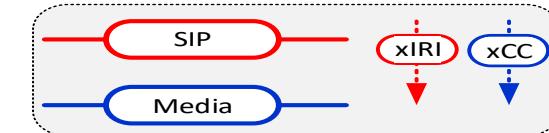
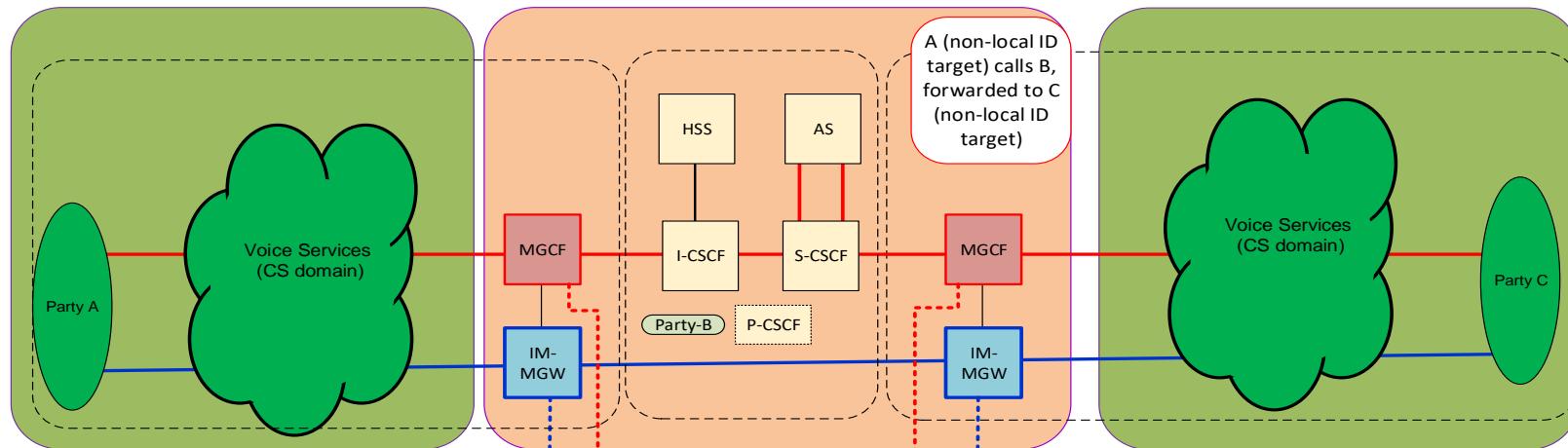
# Party A (non-local ID target) calls Party B forwarded to C (non-local ID target) – with option 1



# Party A (non-local ID target) calls Party B forwarded to C (non-local ID target) – with option 1



# Party A (non-local ID target) calls Party B forwarded to Party C (non-local ID target) – using Option 2



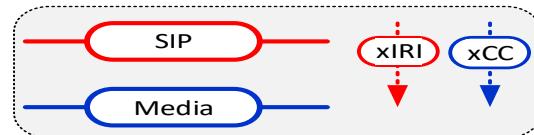
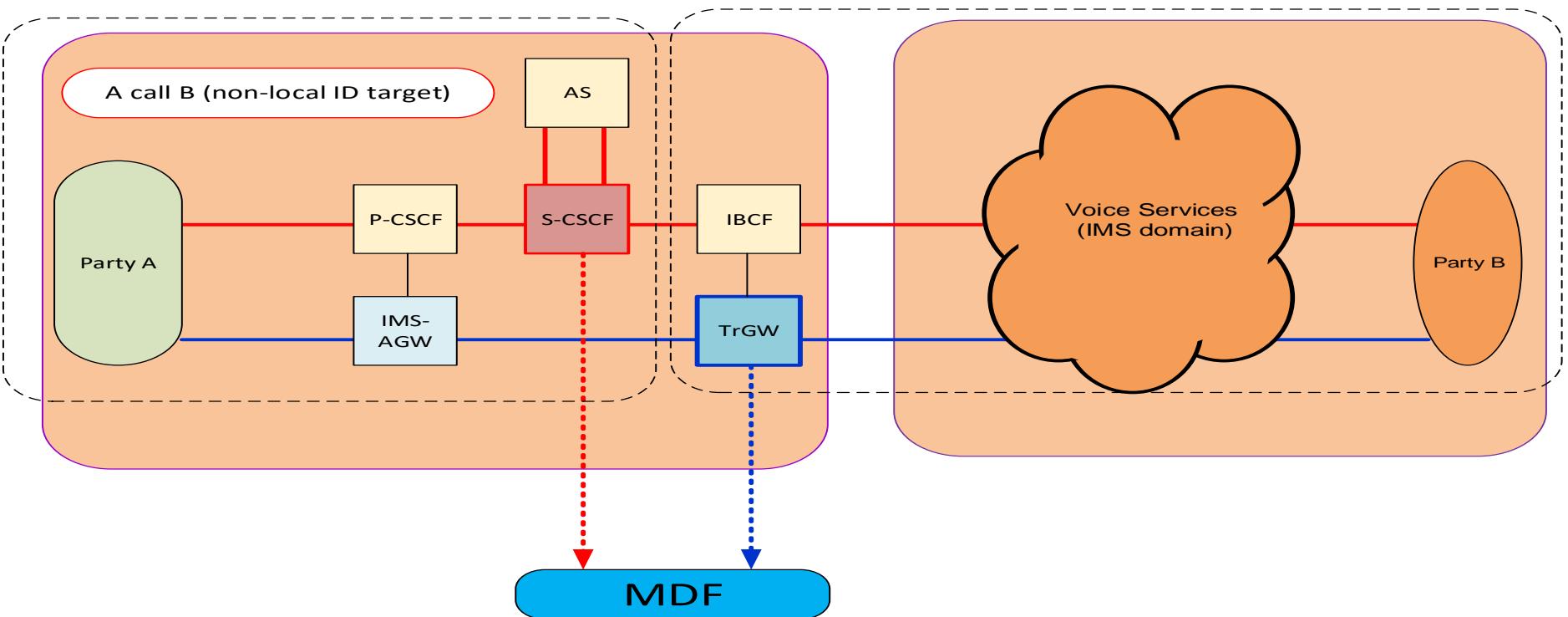
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

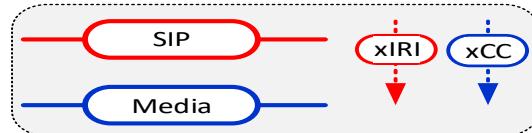
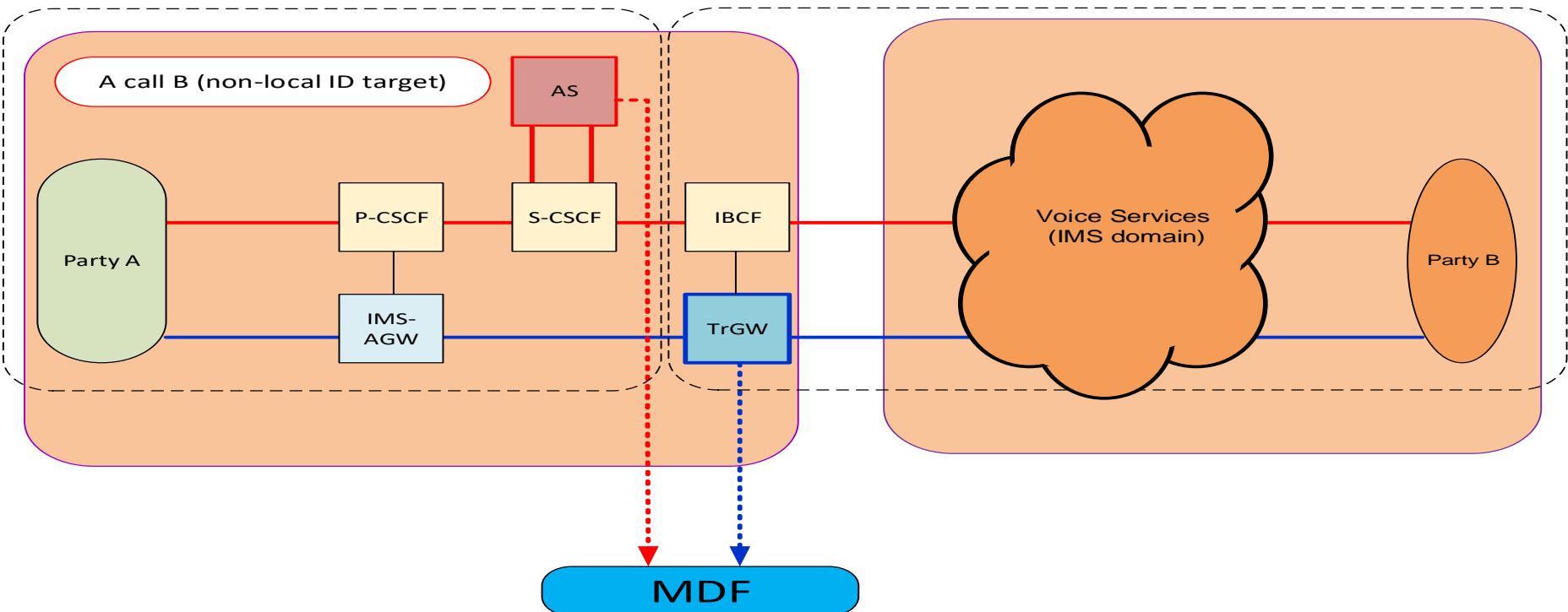
# Case 2: Non-local ID target is in IMS domain

# Destination is a non-local ID target at the IMS domain

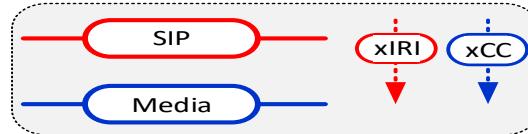
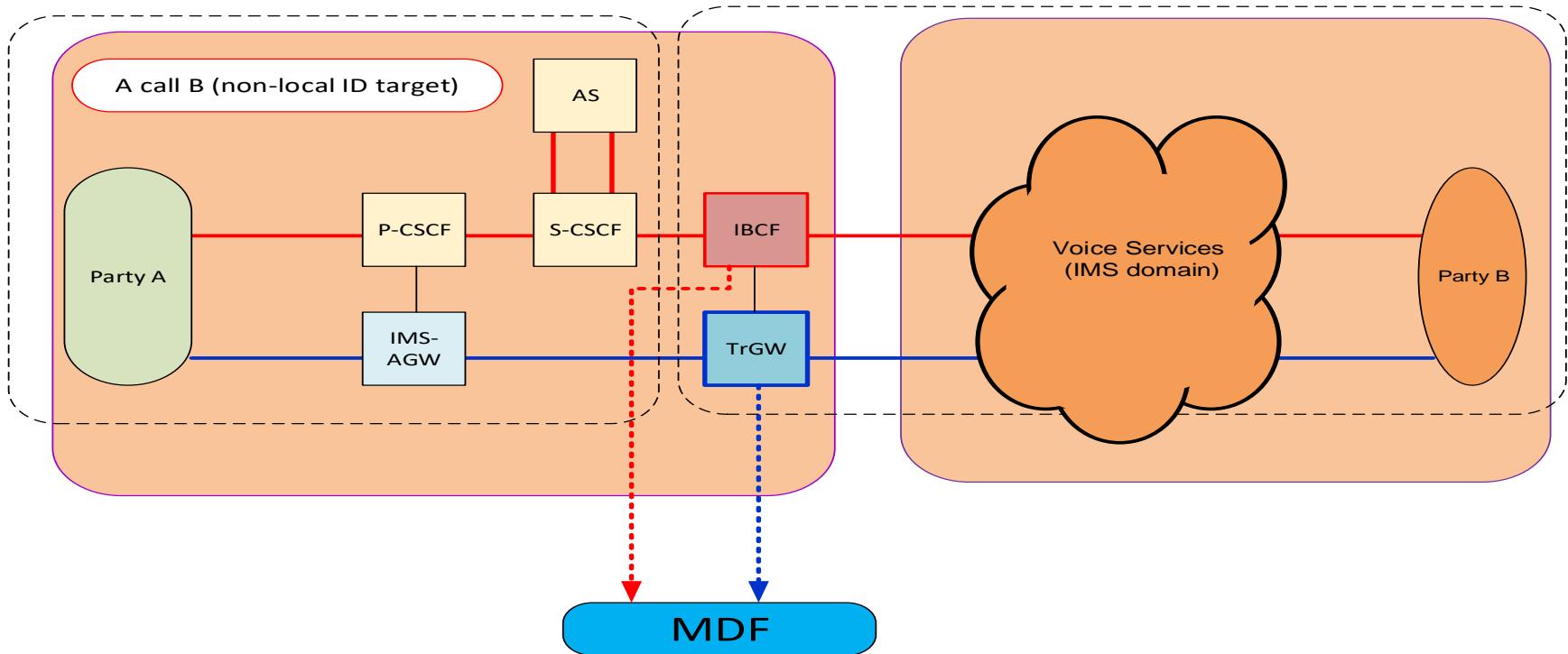
# Party A calls Party B (non-local ID target) - Default



# Party A calls Party B (non-local ID target) – Option 1



## Party A calls Party B (non-local ID target) – Option 2

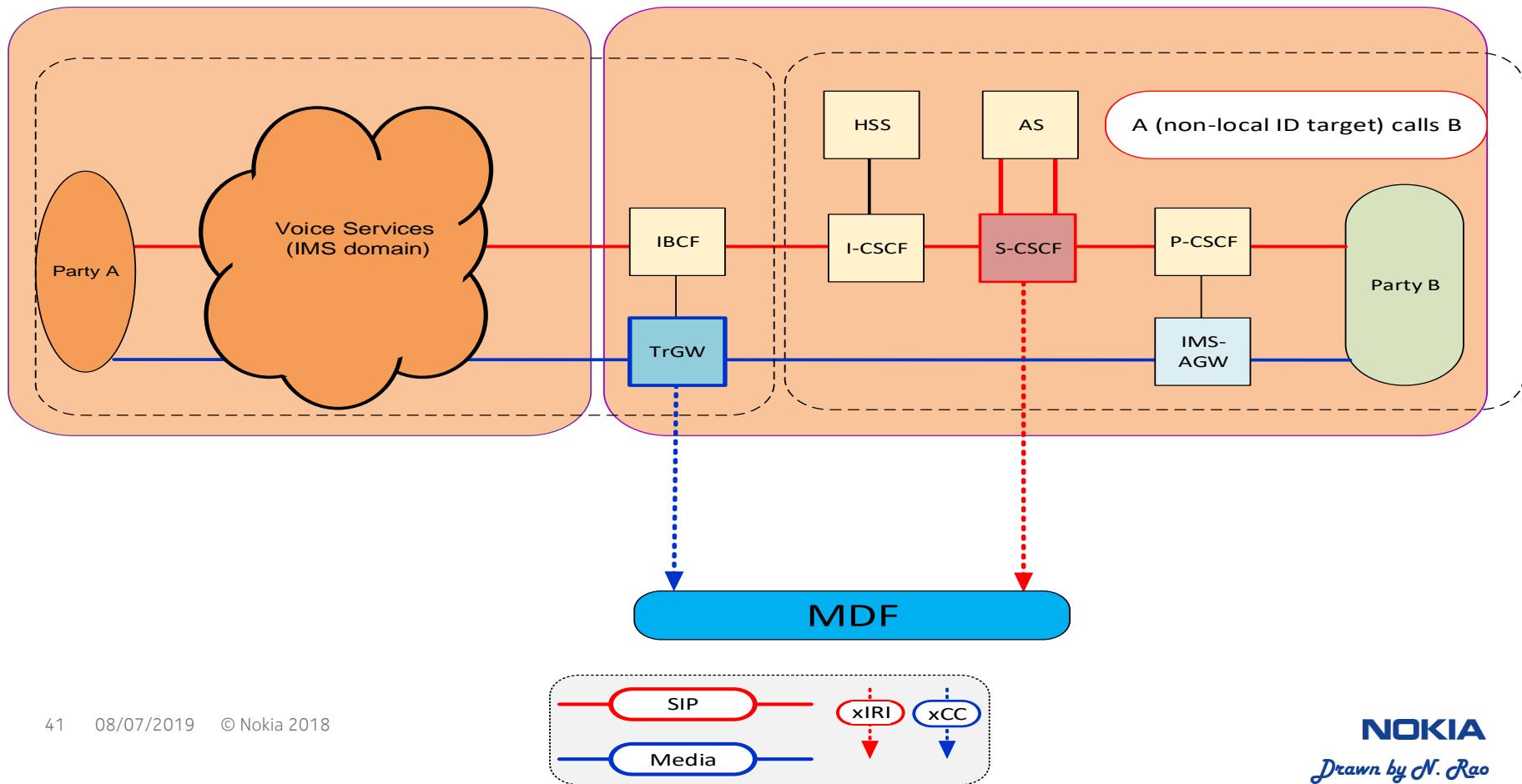


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

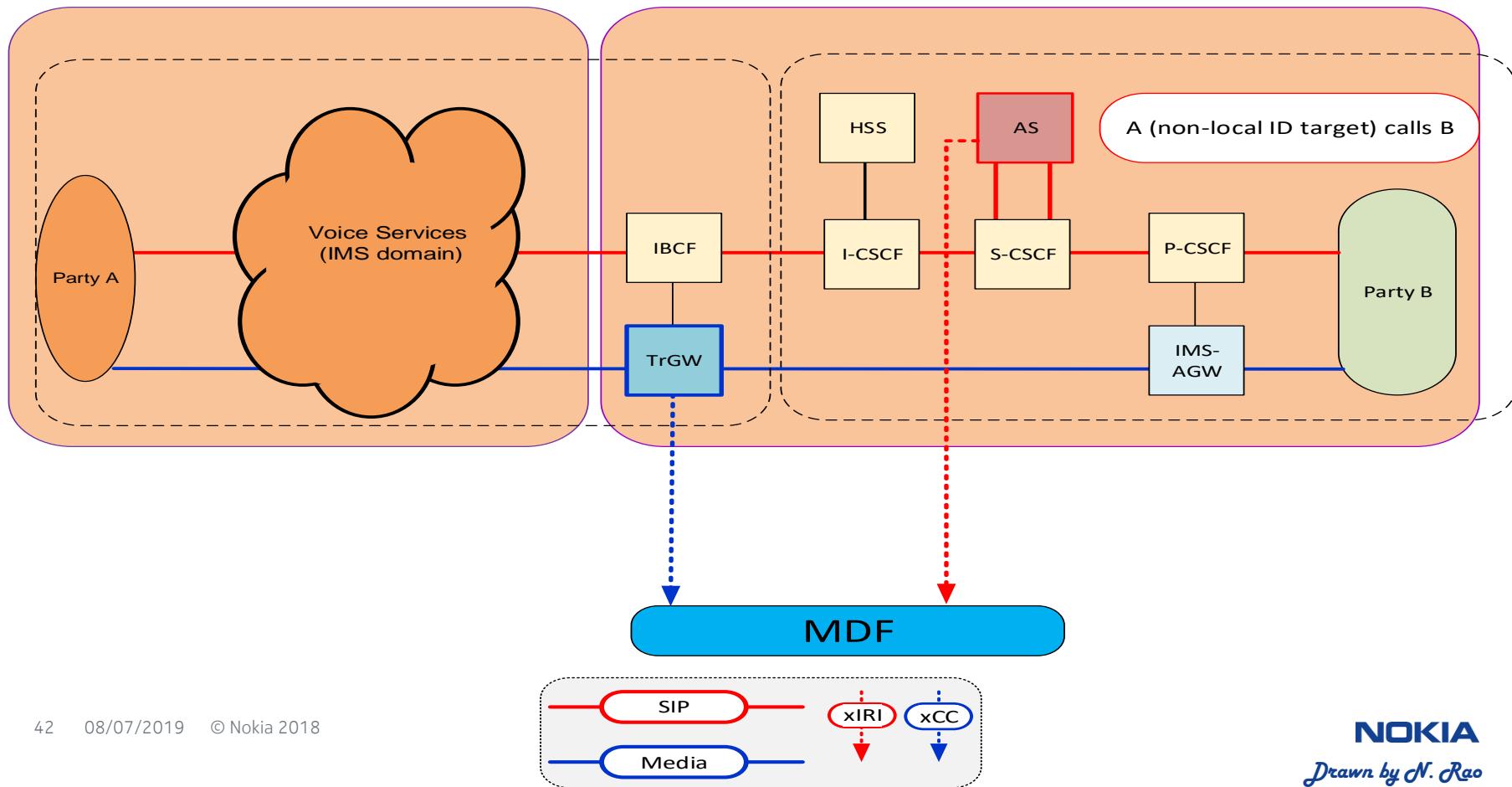
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

# Origination from a non-local ID target from the IMS domain

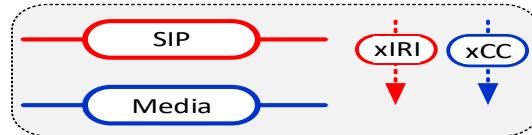
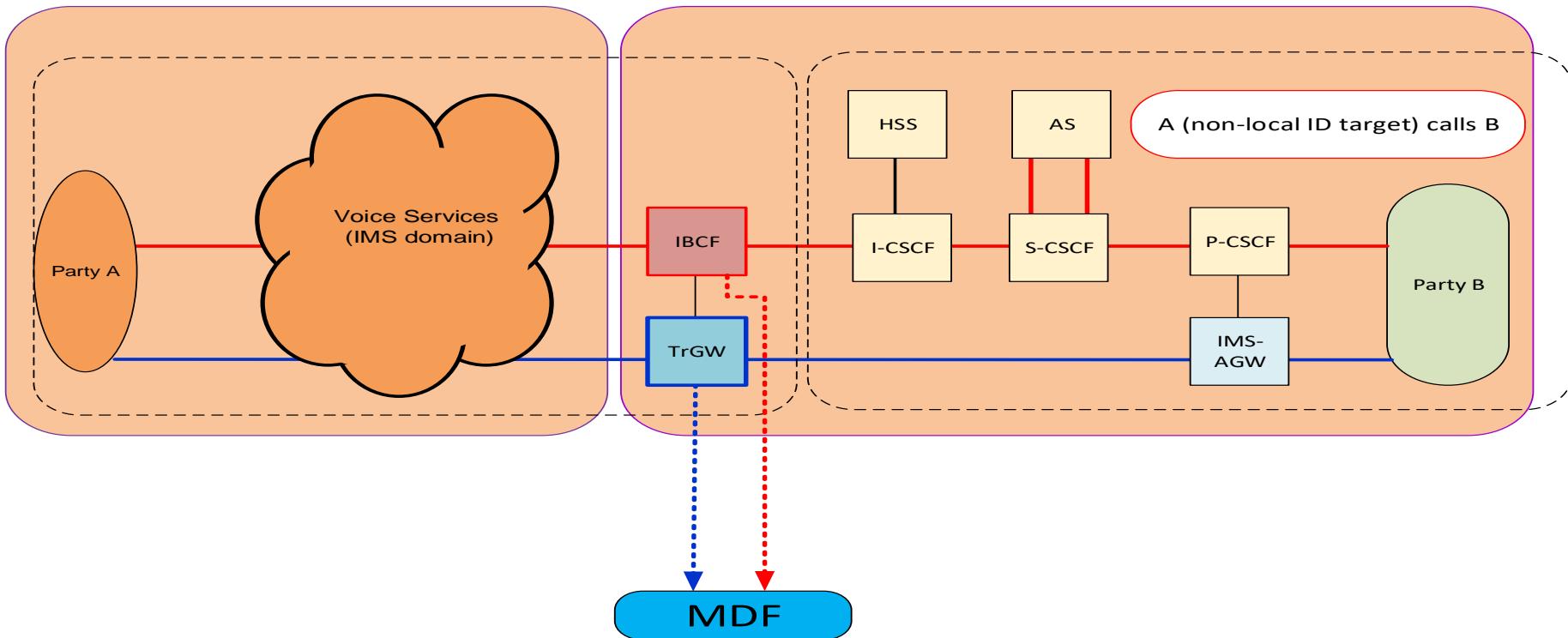
# Party A (non-local ID target) calls Party B - Default



# Party A (non-local ID target) calls Party B – Option 1



# Party A (non-local ID target) calls Party B – Option 2

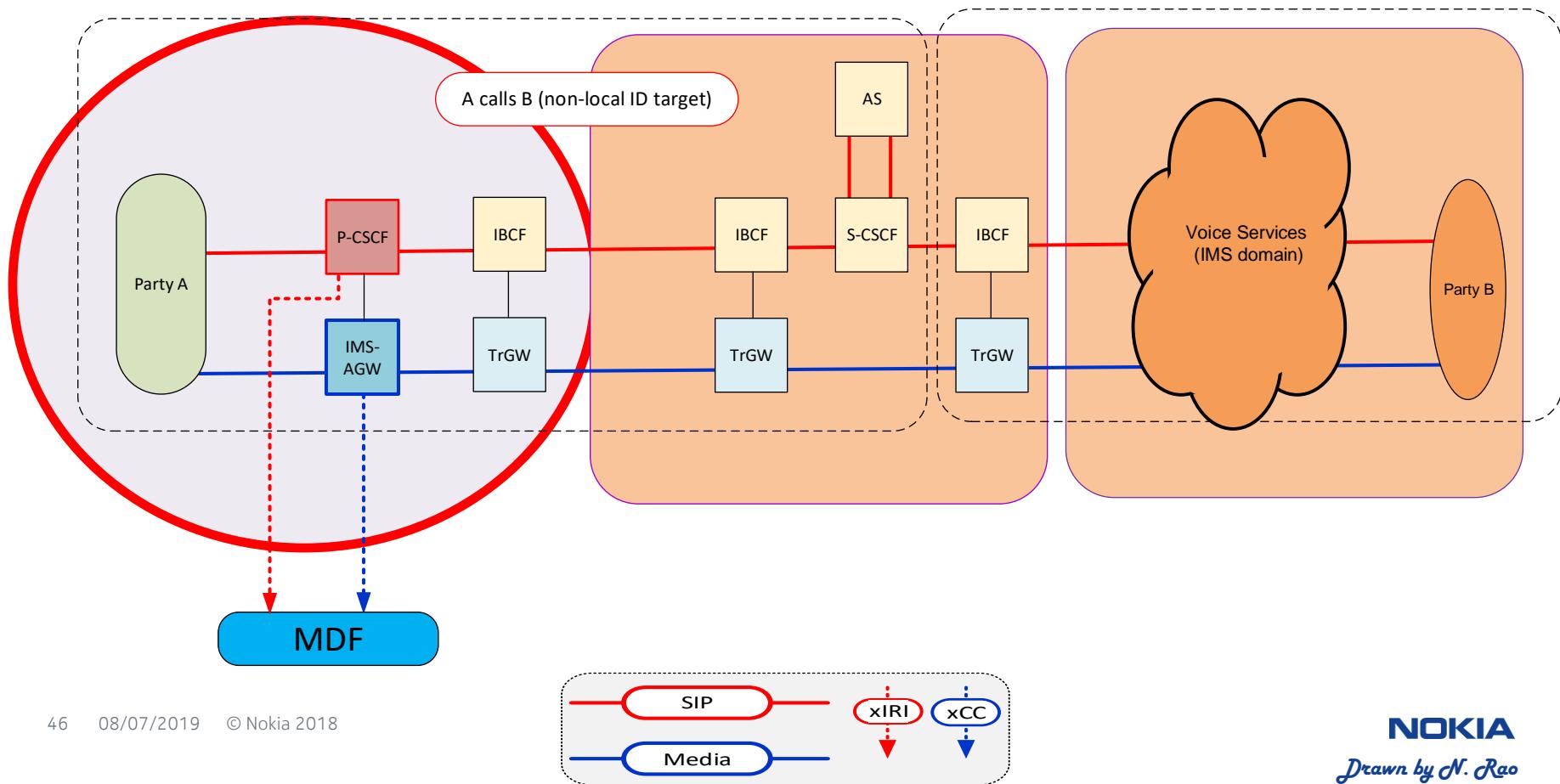


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

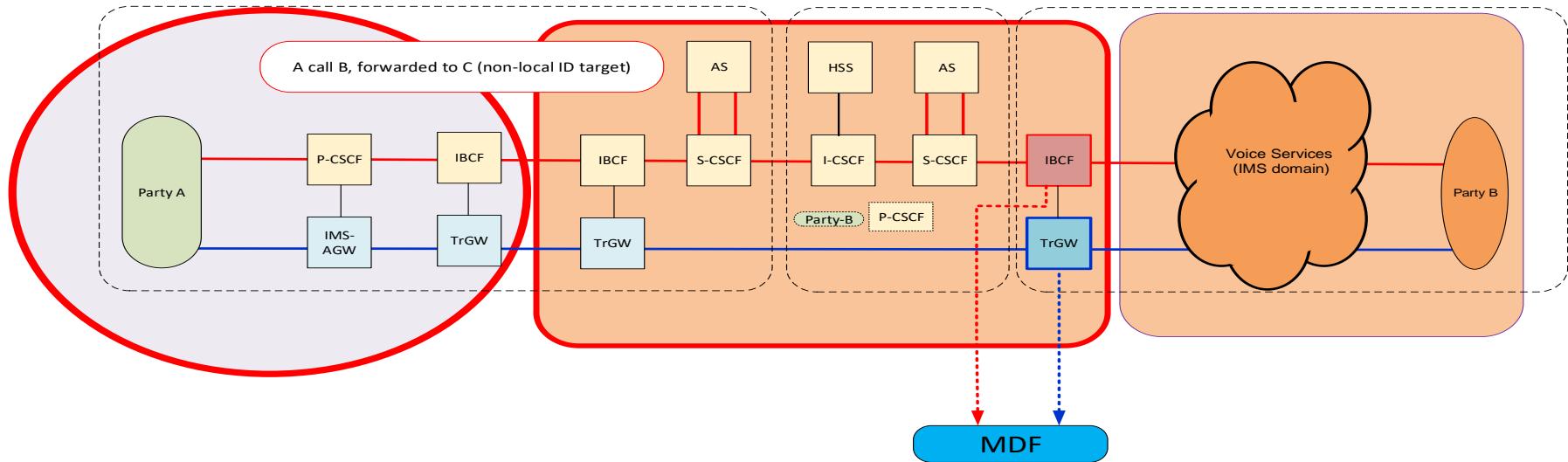
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW	TrGW	IM-MGW Egress		
Destination CS with OMR	n/a		n/a		IMS-AGW	IM-MGW	n/a		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW	TrGW	TrGW Egress		
Destination IMS with OMR	n/a		n/a		IMS-AGW	TrGW	TrGW Egress		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW	TrGW	IM-MGW Ingress		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW	TrGW Ingress		

**Originating party is roaming with LBO  
Destination non-local ID target  
in IMS domain**

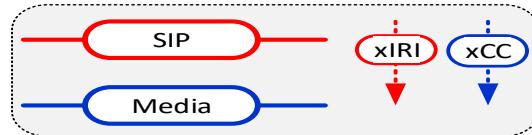
# VPLMN: Roaming Party A calls Party B (non-local ID target) - Default



# HPLMN, VPLMN: Roaming Party A calls Party B forwarded to Party C (non-local ID target) – with option 2 of HPLMN



**HPLMN, same as non-roaming scenario, but no interception in VPLMN, as it does not see Party C.**

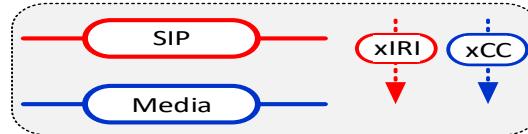
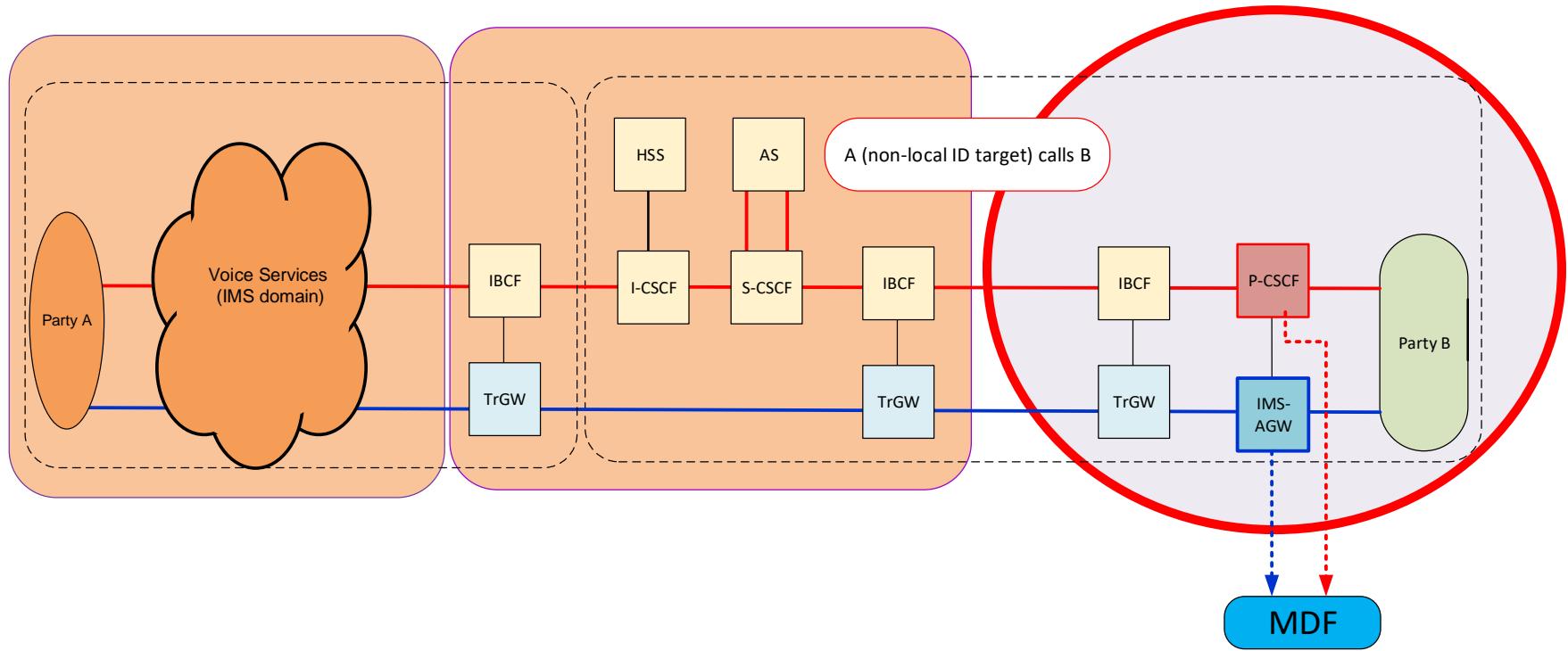


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

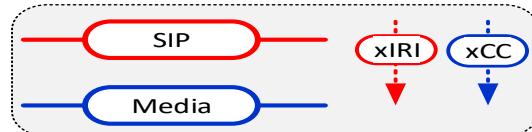
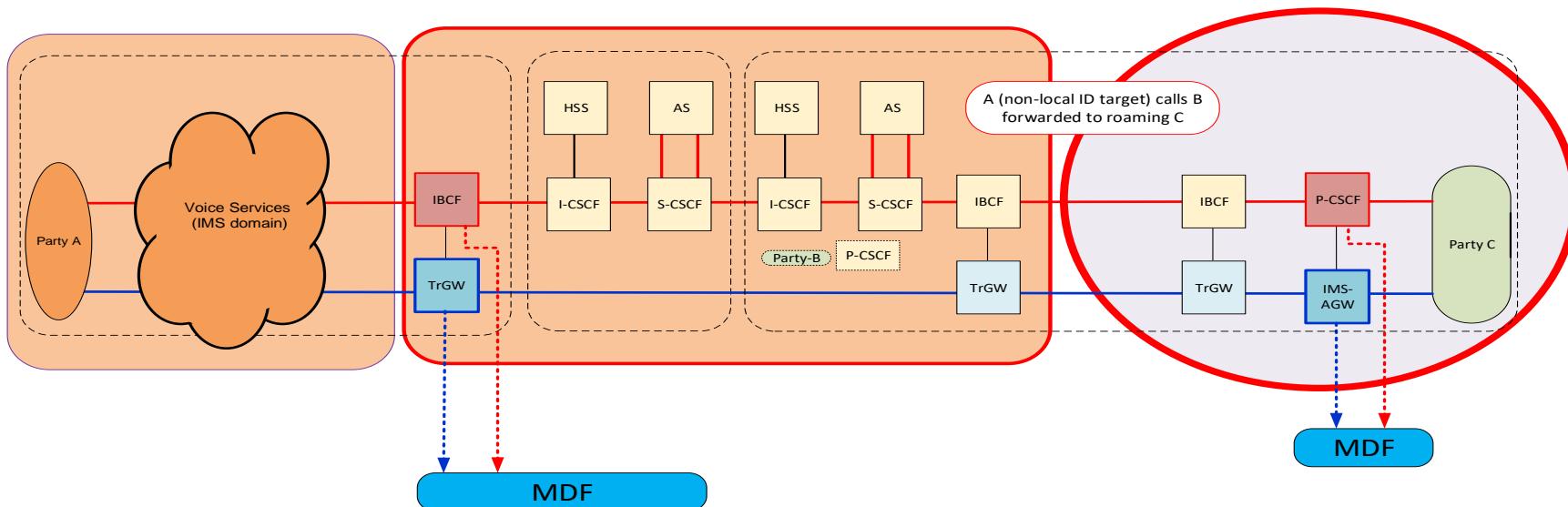
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW		TrGW		
Destination CS with OMR	n/a		n/a		IMS-AGW		IM-MGW		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW		TrGW		
Destination IMS with OMR	n/a		n/a		IMS-AGW		TrGW		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW		TrGW		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW		TrGW		

# Origination from non-local ID target in IMS domain with destination party roaming with LBO

# VPLMN: Party A (non-local ID target) calls roaming Party B – Default



# HPLMN, VPLMN: Party A (non-local ID target) calls Party B forwarded to roaming Party C – with option 2 HPLMN and default option in VPLMN

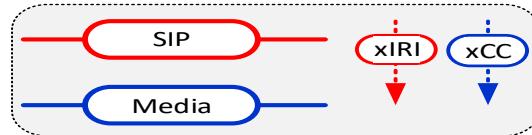
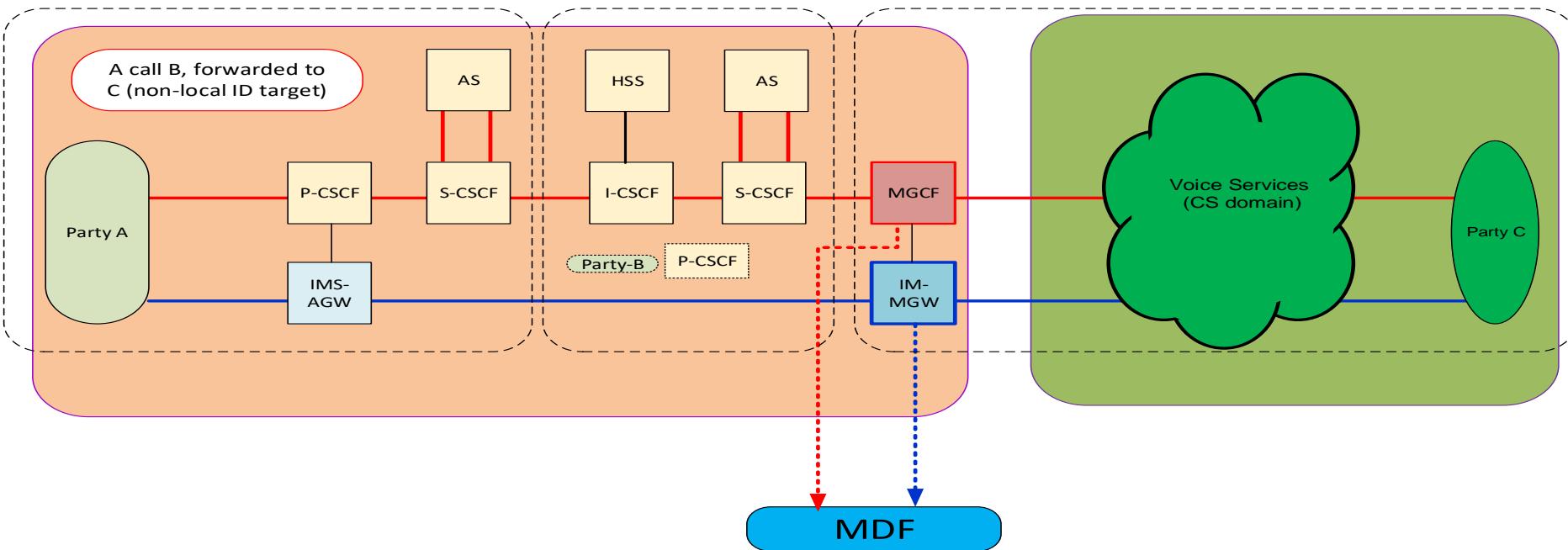


Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		MGCF Egress		MGCF Egress				MGCF Egress
Destination IMS	S-CSCF Egress	AS	S-CSCF Egress	AS	P-CSCF	IBCF	S-CSCF Egress	AS
		IBCF Egress		IBCF Egress				IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		MGCF Ingress		MGCF Ingress				MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress	S-CSCF Ingress	AS Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress
		IBCF Ingress		IBCF Ingress				IBCF Ingress

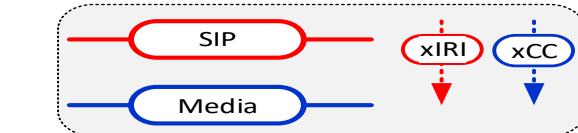
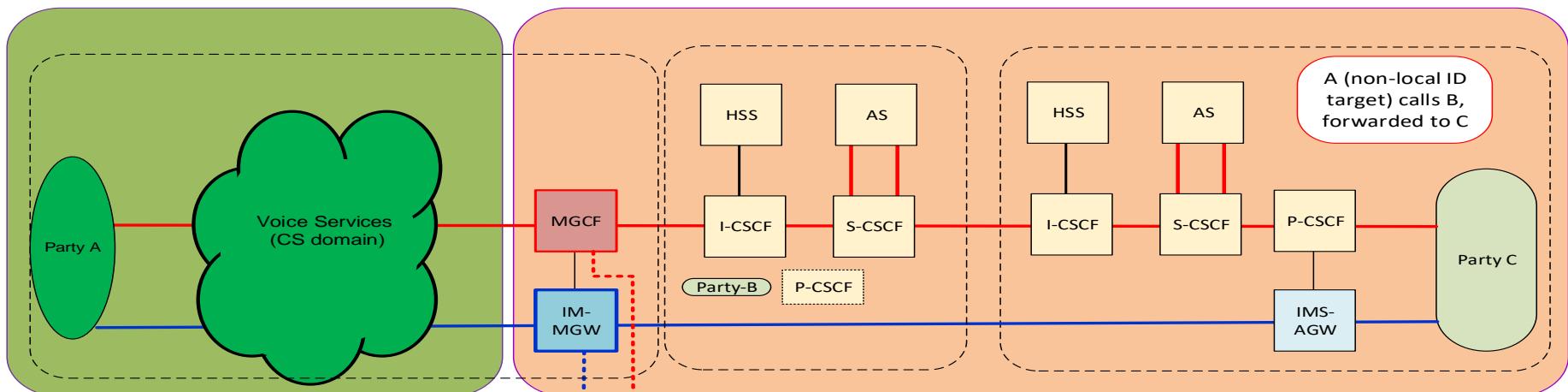
Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)		
	Default	Option	HPLMN		VPLMN		HPLMN		
			Default	Option	Default	Option	Default	Option	
Destination CS	IM-MGW Egress		IM-MGW Egress		IMS-AGW		TrGW		
Destination CS with OMR	n/a		n/a		IMS-AGW		IM-MGW		
Destination IMS	TrGW Egress		TrGW Egress		IMS-AGW		TrGW		
Destination IMS with OMR	n/a		n/a		IMS-AGW		TrGW		
Origination CS	IM-MGW Ingress		IM-MGW Ingress		IMS-AGW		TrGW		
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW		TrGW		

# Recommendation

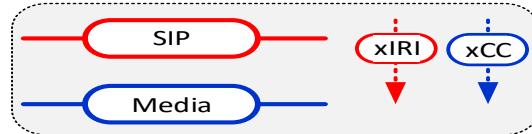
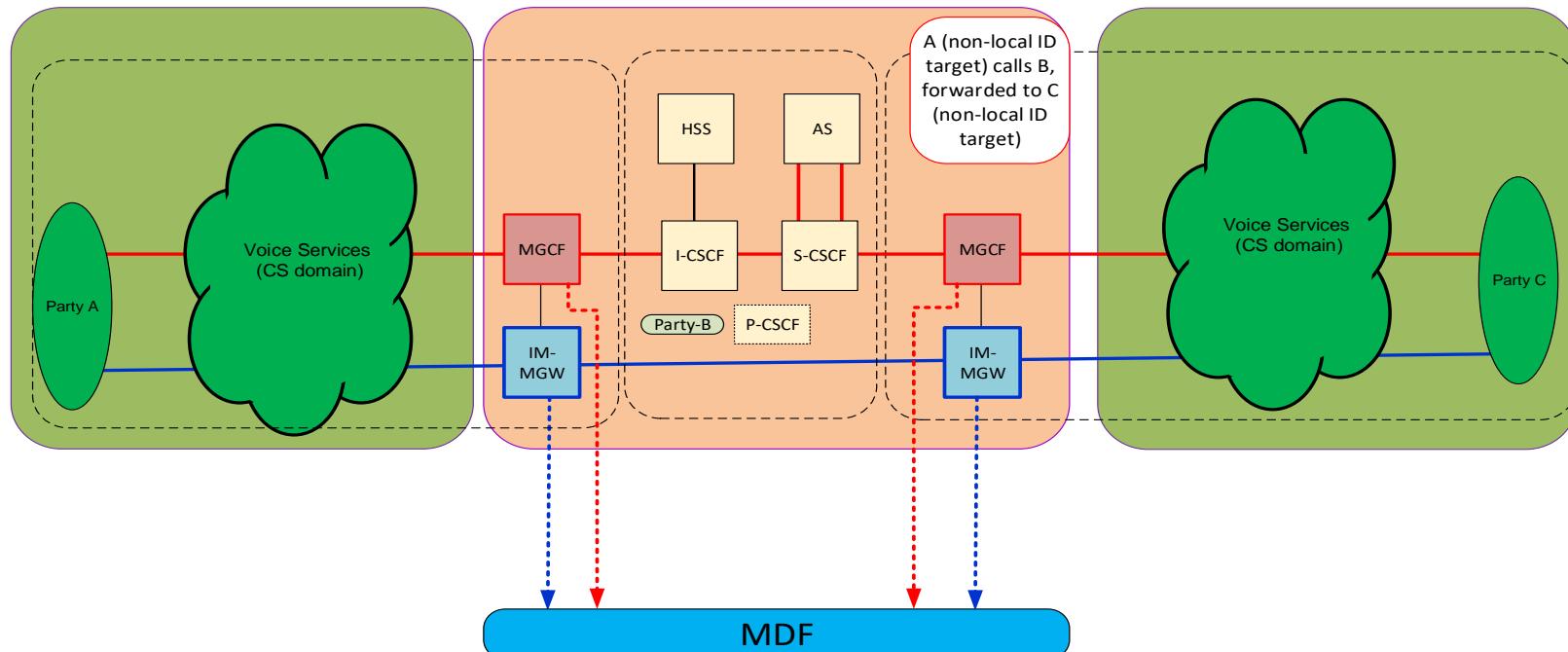
# Party A calls Party B and forwarded to C (non-local ID target) – Option 2



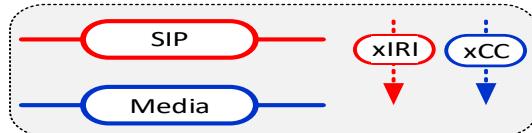
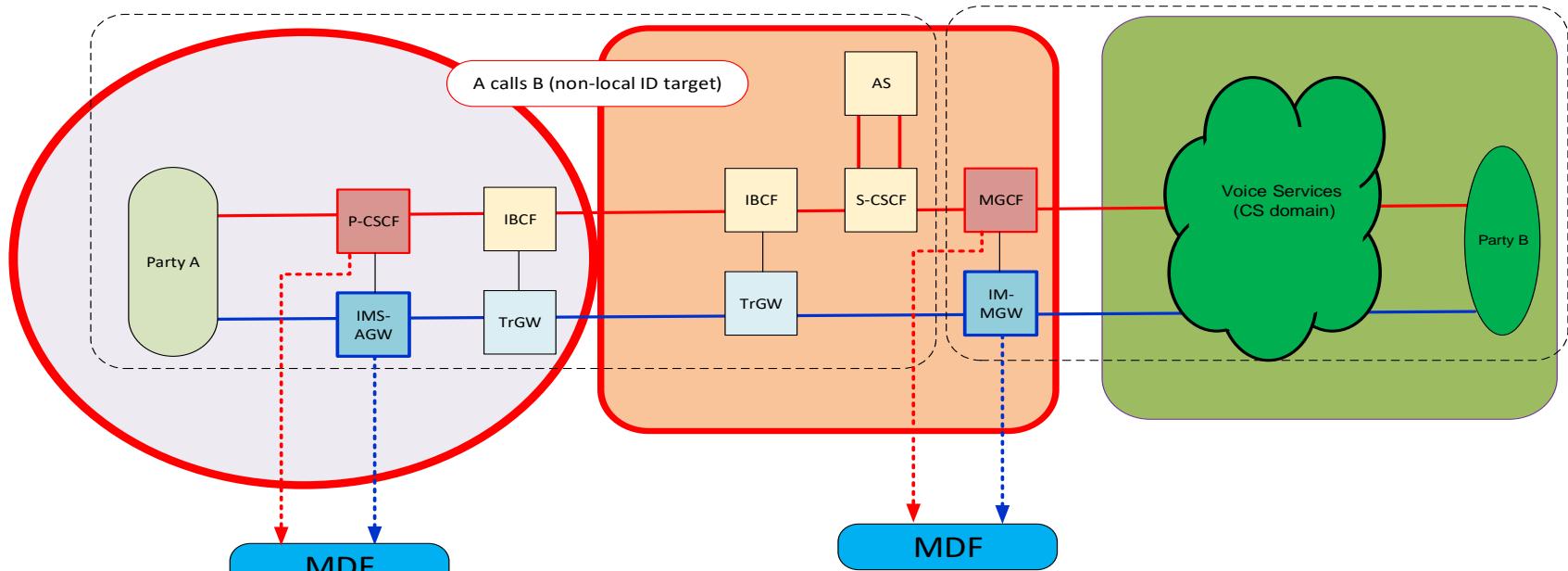
# Party A (non-local ID target) calls Party B forwarded to Party C – Option 2



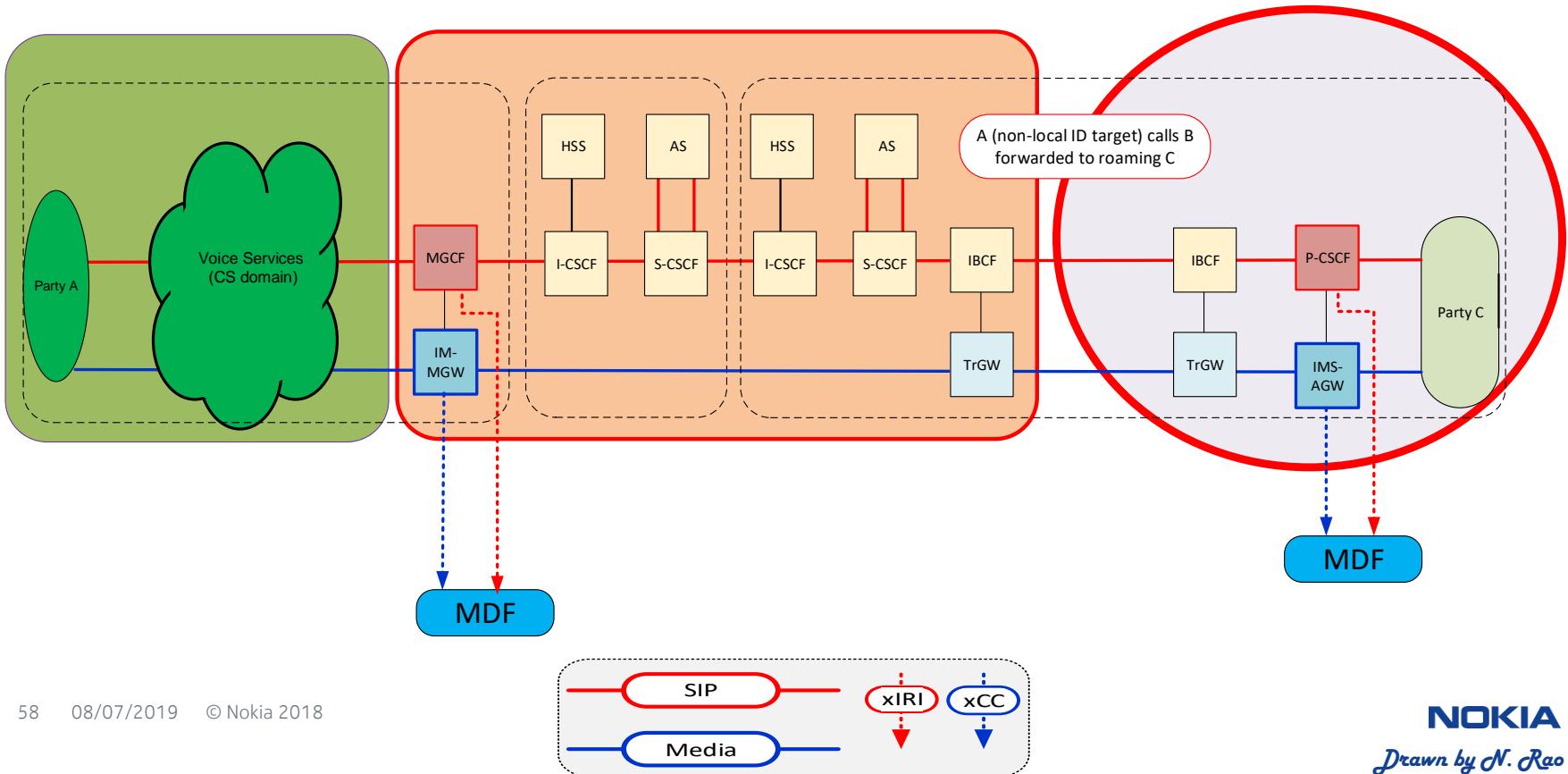
# Party A (non-local ID target) calls Party B forwarded to Party C (non-local ID target) – using Option 2



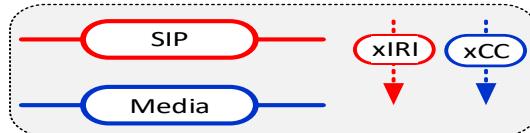
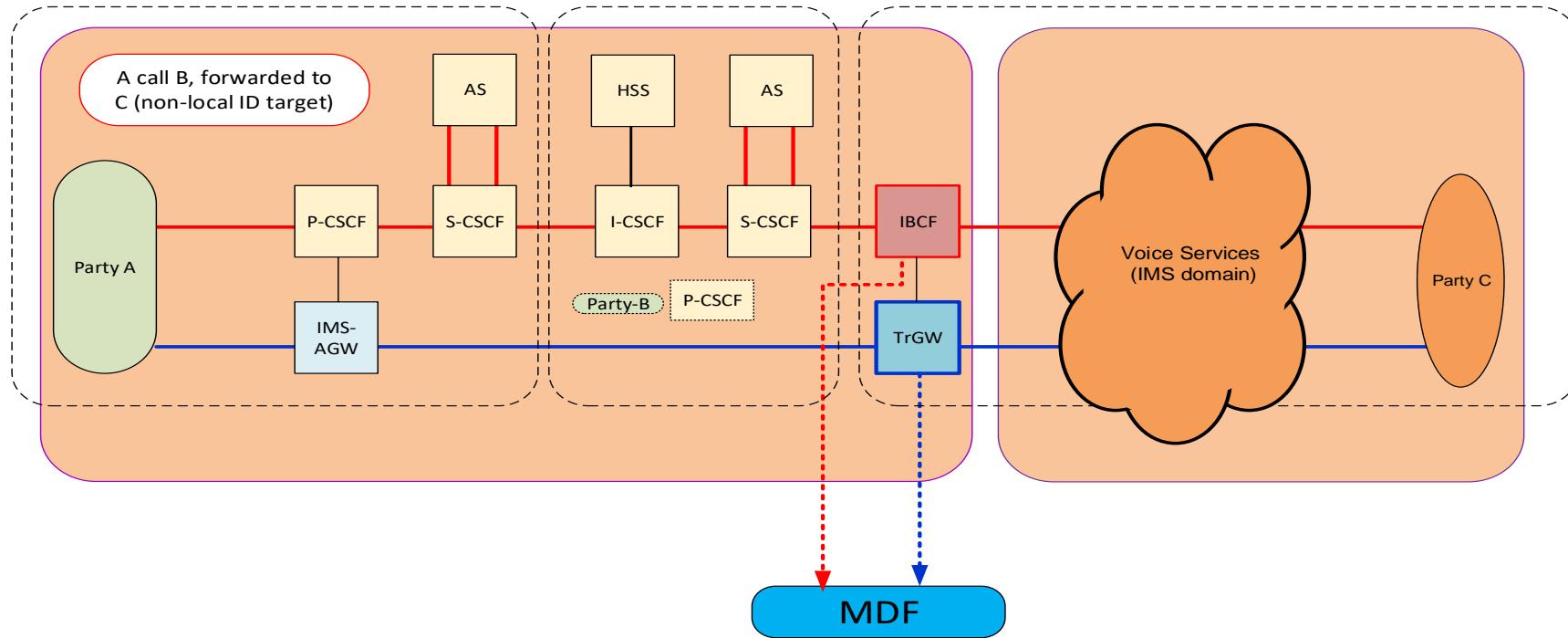
# HPLMN, VPLMN: Roaming Party A calls Party B (non-local ID target) – using option 2 in HPLMN and default in VPLMN



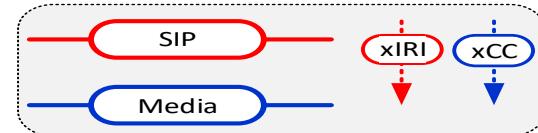
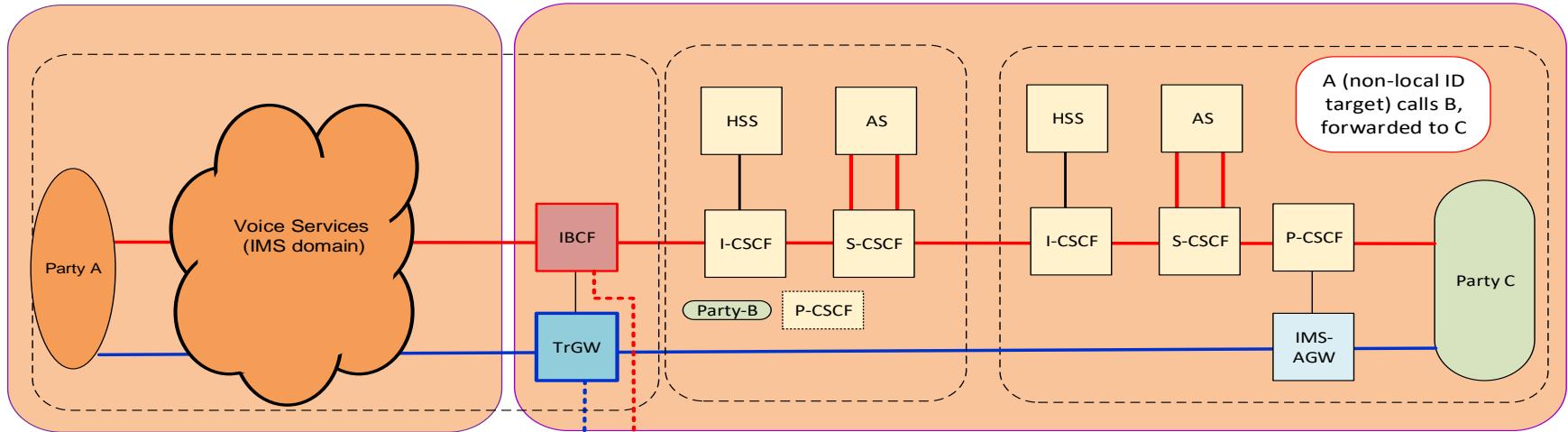
# HPLMN, VPLMN: Party A (non-local ID target) calls roaming Party B – using option 2 in HPLMN and default in VPLMN



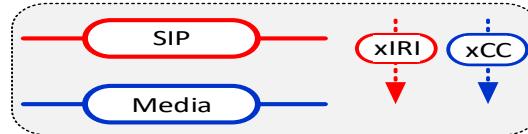
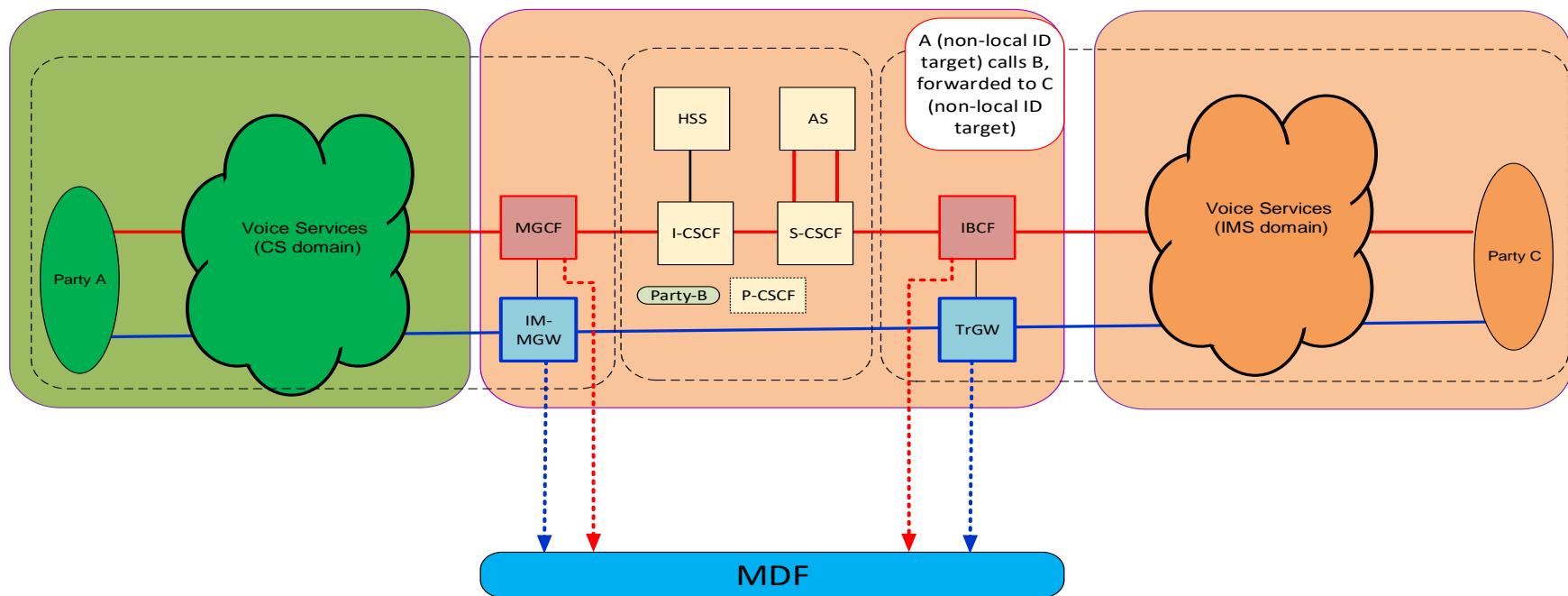
# Party A calls Party B and forwarded to C (non-local ID target) – Option 2



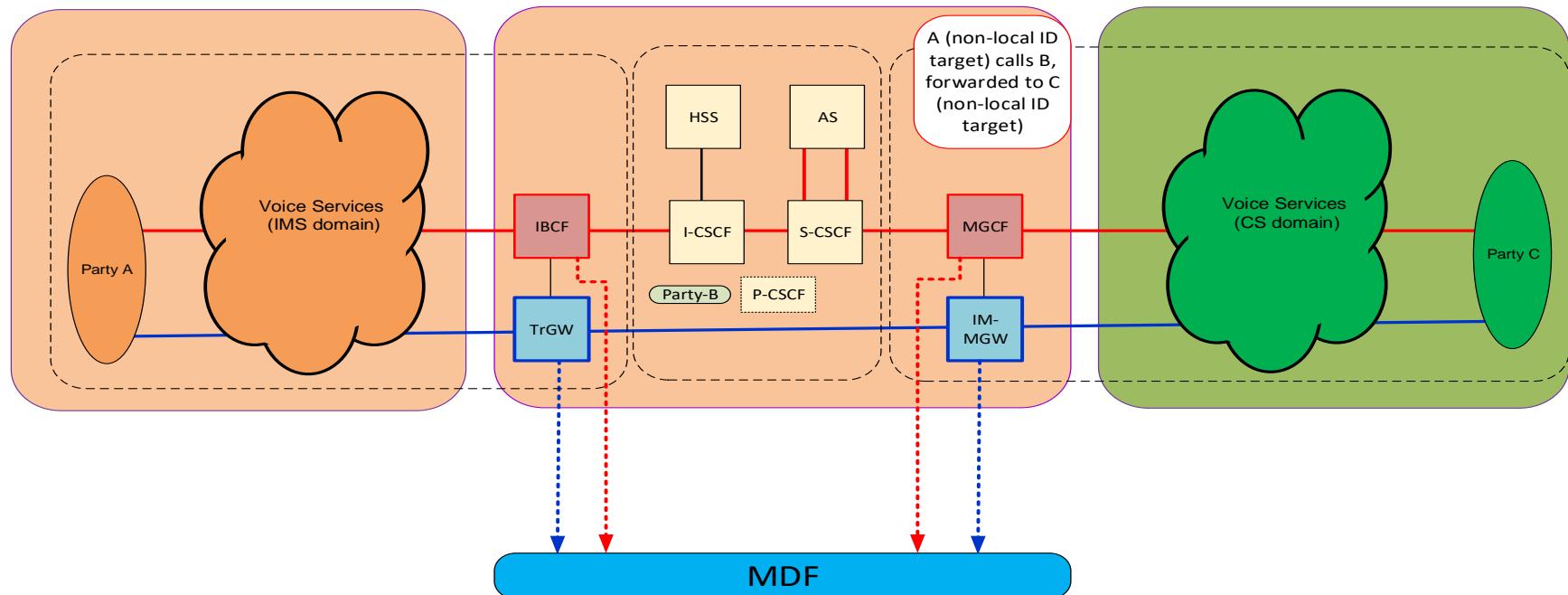
# Party A (non-local ID target) calls Party B forwarded to Party C – Option 2



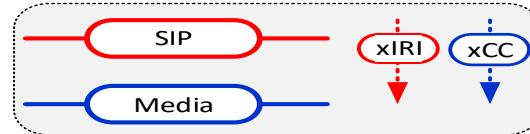
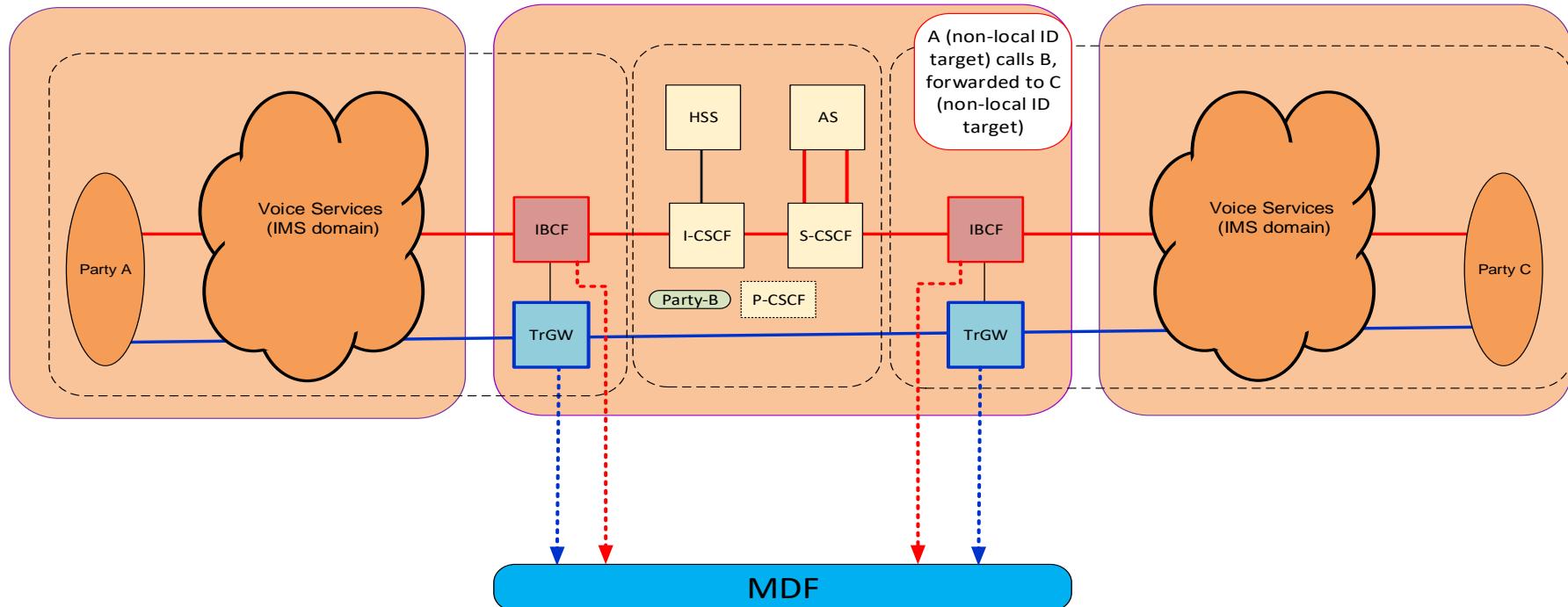
# Party A (non-local ID target) calls Party B forwarded to Party C (non-local ID target) – using option 2



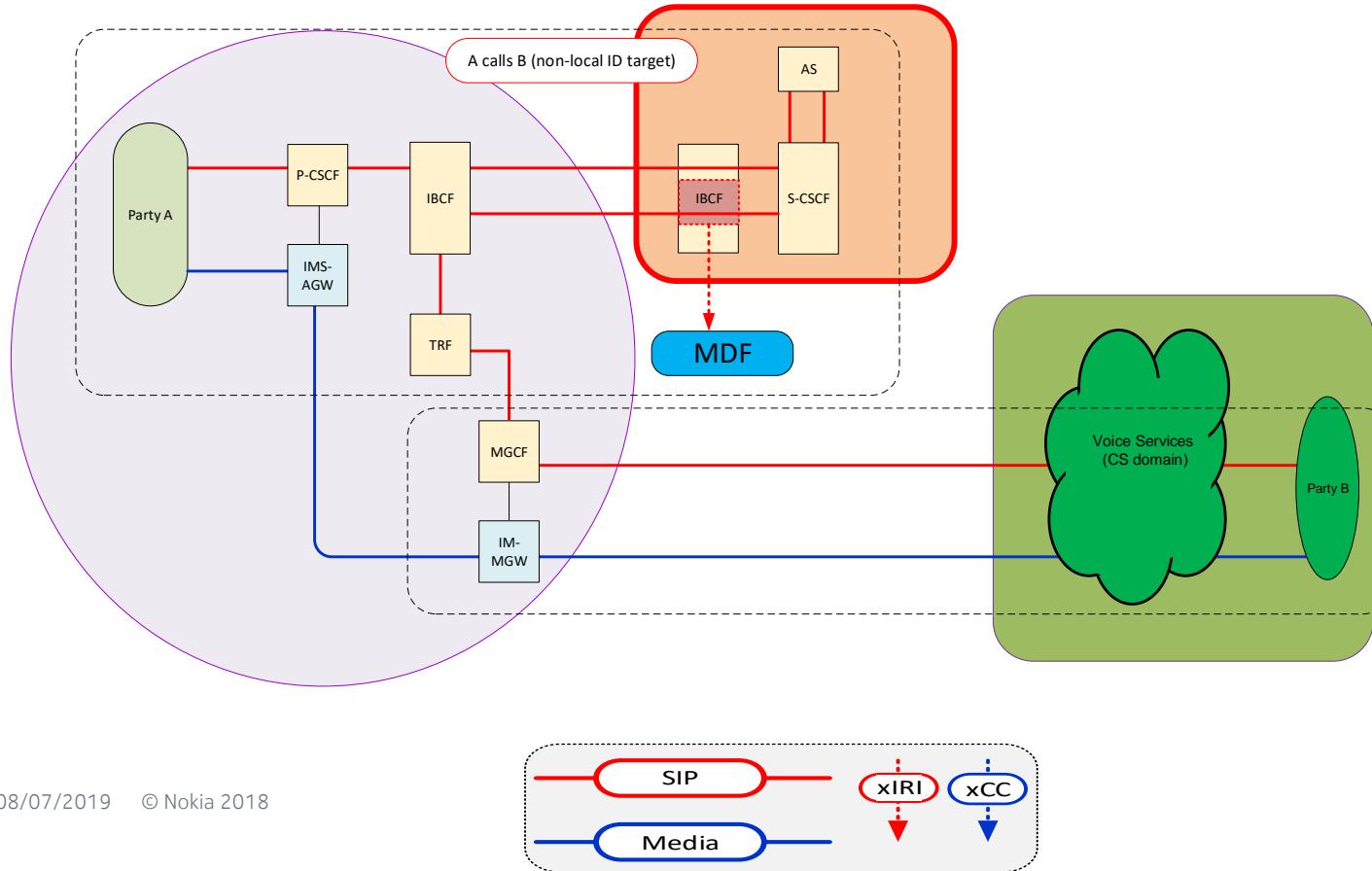
# Party A (non-local ID target) calls Party B forwarded to Party C (non-local ID target) – using option 2



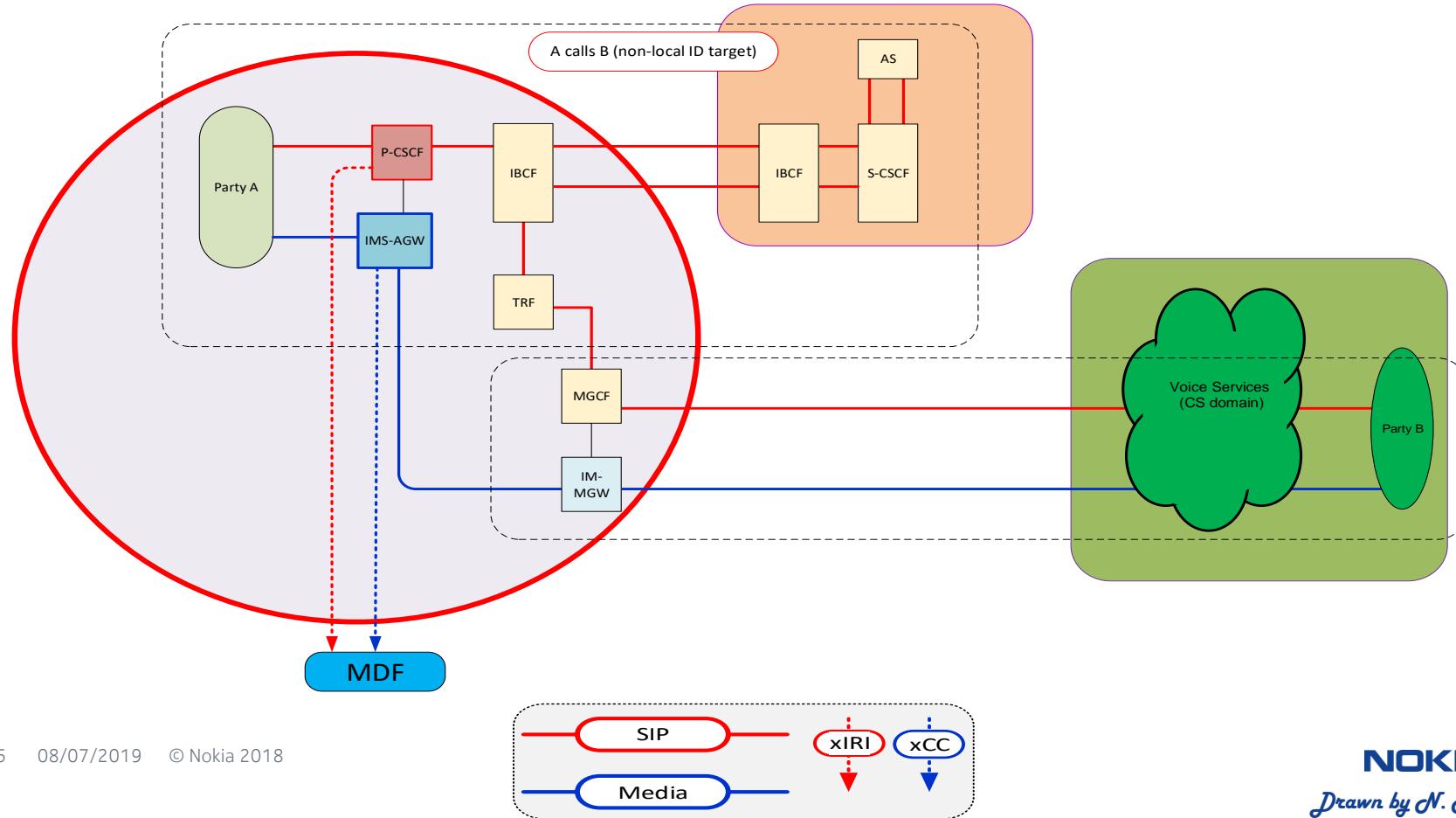
## Party A (non-local ID target) calls Party B forwarded to Party C (non-local ID target) – using option 2



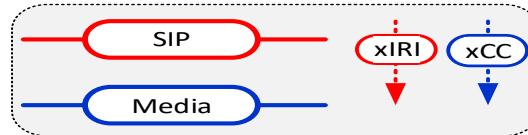
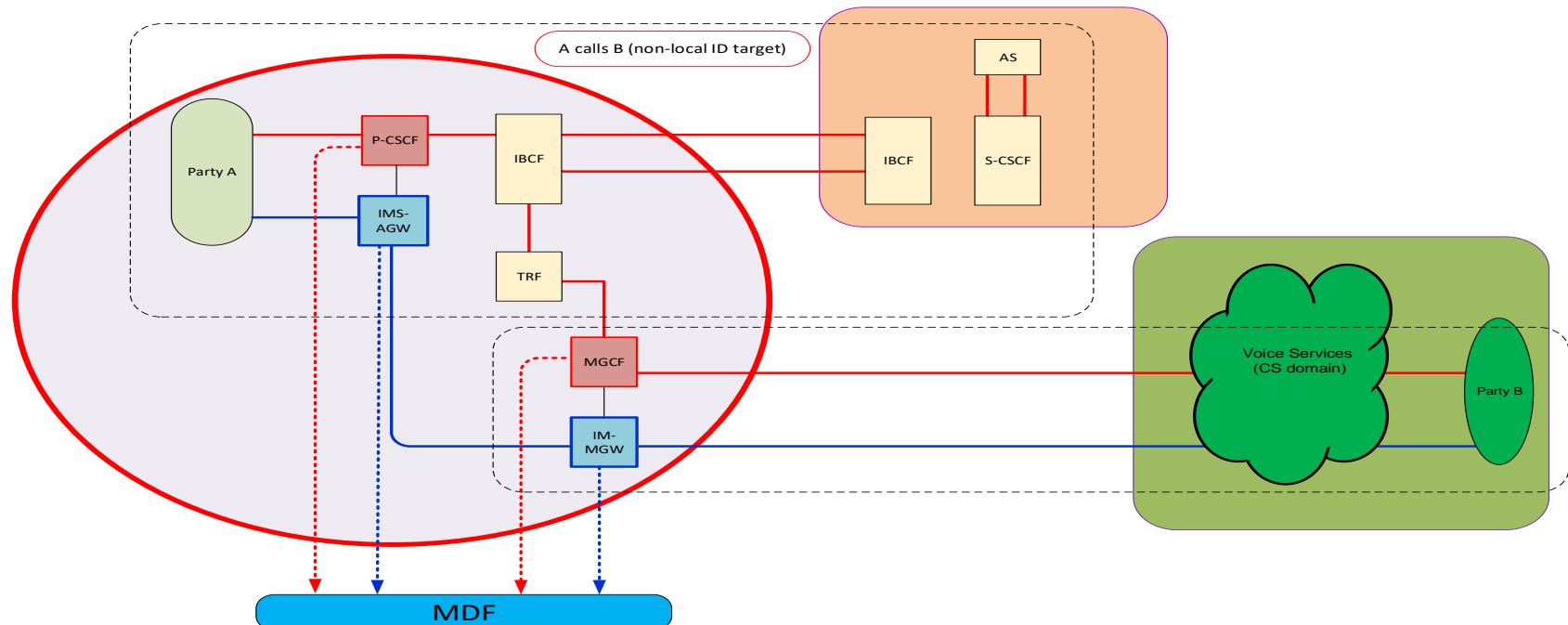
# HPLMN: Roaming Party A calls Party B (non-local ID target) – Option 2



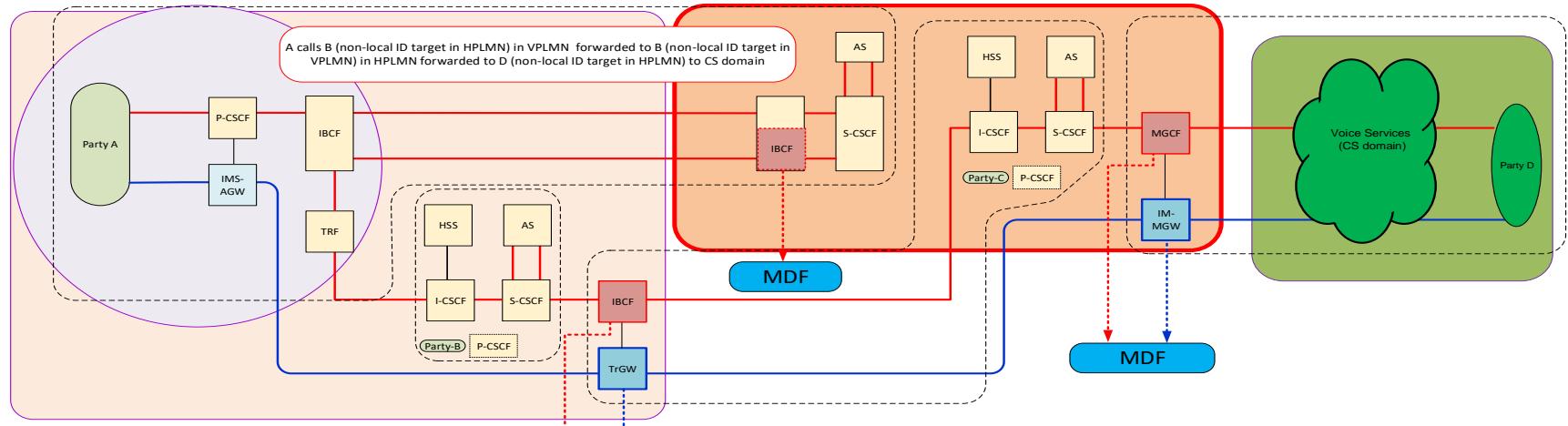
# VPLMN: Roaming Party A calls Party B (non-local ID target) – Default



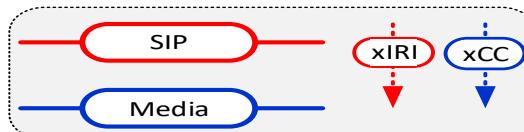
# VPLMN: Roaming Party A calls Party B (non-local ID target) – Default and Option 2



# HPLMN, VPLMN: Roaming Party-A calls Party-B (non-local ID target in HPLMN) in VPLMN forwarded to Party-C (non-local ID target in VPLMN) in HPLMN forwarded to Party D (non-local ID target) in CS domain – option 2



Bizarre case!!!



**IRI-POI**

Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	S-CSCF Egress	AS MGCF Egress	S-CSCF Egress	AS MGCF Egress	P-CSCF	IBCF	S-CSCF Egress	AS MGCF Egress
Destination IMS	S-CSCF Egress	AS IBCF Egress	S-CSCF Egress	AS IBCF Egress	P-CSCF	IBCF	S-CSCF Egress	AS IBCF Egress
Origination CS	S-CSCF Ingress	AS Ingress MGCF Ingress	S-CSCF Ingress	AS Ingress MGCF Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress MGCF Ingress
Origination IMS	S-CSCF Ingress	AS Ingress IBCF Ingress	S-CSCF Ingress	AS Ingress IBCF Ingress	P-CSCF	IBCF	S-CSCF Ingress	AS Ingress IBCF Ingress

**CC-POI**

Session Type	Non-roaming		Roaming (LBO)				Roaming (HR)	
	Default	Option	HPLMN		VPLMN		HPLMN	
			Default	Option	Default	Option	Default	Option
Destination CS	IM-MGW Egress	n/a	IM-MGW Egress	n/a	IMS-AGW	TrGW	IM-MGW Egress	n/a
Destination CS with OMR	n/a	TrGW Egress	n/a	TrGW Egress	IMS-AGW	IM-MGW	TrGW Egress	TrGW Egress
Destination IMS	TrGW Egress	n/a	TrGW Egress	n/a	IMS-AGW	TrGW	TrGW Egress	IM-MGW Ingress
Destination IMS with OMR	n/a	IM-MGW Ingress	n/a	IM-MGW Ingress	IMS-AGW	TrGW	IM-MGW Ingress	TrGW Ingress
Origination CS	IM-MGW Ingress	TrGW Ingress	IM-MGW Ingress	TrGW Ingress	IMS-AGW	TrGW	TrGW Ingress	TrGW Ingress
Origination IMS	TrGW Ingress		TrGW Ingress		IMS-AGW	TrGW		

# NOKIA