Co-ordination and Control of Work on Sites <u>c</u>Containing <u>b</u>Both National Transmission System and Distribution Network Operational Equipment

1. INTRODUCTION

This procedure identifies how work will be controlled on sites containing both National Transmission System (NTS) and Distribution Network (DN) operational equipment. When work is to be undertaken by either party on such sites, it is necessary for communication to be established between both parties to ensure that the work is co-ordinated to enable its safe execution.

2. SCOPE

This procedure applies to all installations where NTS and DN assets are contained within the confines of the same site.

3. REFERENCE

The Uniform Network Code Offtake Arrangements Document (OAD) is the basis of the procedures that will apply on site. Unless otherwise specified the latest edition of the OAD appliesy, including all addenda and revisions.

4. PRINCIPLES

The following principles shall, be applied to the management of work at jointly occupied sites.

Site Controller

- The Site Owner will nominate a Primary Gas Control Centre or Site Controller who will be responsible for monitoring the site activities, recording work activities and ensuring there are no conflicts with other activities on the site or Network. In the event of this the Primary Gas Control Centre or Site Controller would manage conflicts on the site. In addition a review of works at other Oofftakes should be carried out to highlight possible conflicts. This may be a second work contact.
- During normal working hours, prior to starting any work that could affect gas flows or telemetered data, the Team leader will contact the Primary Gas Control Centre or Site Controller (as per Table 1) to obtain permission to carry out work.
- For out of working hours then the Team Leader shall contact the Primary Gas Control Centre Responsible for the site (as per Table 1). The Primary Gas Control centre will then inform the Site Owner's duty standby manager.
- Where the work has the possibility to affect gas flows, telemetry signals or remote control of the site then, before start of working, the Team Leader shall contact the relevant control centre responsible for monitoring those assets, (i-e- where NTS assets are affected then the Gas National Control Centre (GNCC) will be contacted and where Distribution a Assets are affected then contact the relevant Delistribution Ceontrol Centre, as defined in Ttable 1, will be contacted).

Notification of Planned Work

- Annual maintenance plans will be developed and shared by <u>the Site Owner and the Site User as per the OAD.</u>
- The Site User shall give the Site Owner at least <u>five (5)</u> working days' notice of the intention to carry out any planned work.
- The Site Owner is not required to inform the Site User of any changes to routine planned work as long as the work does not affect gas flow in another user's network. Major works construction and modifications will be managed in accordance with the OAD.

Urgent Emergency Work

• Emergency and urgent work does not need prior notification before visiting site, however, before work commences the Primary Gas Control Centre that, who manages the site must be contacted as per the process detailed in Figure 1. It They will then inform the Ssite Oowner's standby manager, as an immediate callout.

Competency and Permitry Requirements

- The asset owner is responsible for ensuring <u>that</u> the people working on <u>its</u> their assets:
 - o Understand and compl<u>yies</u> with the general site safety rules and procedures.
 - o Are c Competent for the work they are required to carry out.

(**Note:** The <u>S</u>site <u>O</u>ewner must, under the Electricity at Work Regulations, have in place procedures to ensure <u>that</u> anyone working on the site is competent with regard to electrical systems on sites which in most circumstances have shared/common components).

- The asset owner will be responsible for the permitry associated with work on <u>itstheir</u> own land. The <u>Ssite Oo</u>wner is responsible for permitry when out-side the leased land and for all electrical and instrumentation works on site. Where there is an easement for a pipeline the owner of the pipeline may not be aware of other issues/services on site.
- Where there is a possibility that the work will affect gas flows in more than one Distribution Network then a Non Routine Procedure will be required and approved by the affected Network Opperators.
- Where the flow of gas is not affected then no additional permitry will be issued by the Site Owner to the Site User other than the "Permission for Work to Proceed Form" as described in this process. If the site nominated manager decrees a permit is required to safely manage works on site, permitry could be required including controls where work will be undertaken on the owner's land. This will ensure the Site Ceontroller can manage PPE, equipment and plant as well as environmental issues.

Managing Work Conflicts

•Where there is conflict between two (2) or more activities on a site and agreement cannot be reached on the activity that should be carried out first, then the Team Leaders of the affected activities shall make contact with their Authorising Engineer and Network Controller to seek resolution.

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5. RESPONSIBILITIES FOR CO-ORDINATION OF WORK

Responsibilities for co-ordination of site works are in defined in five (5) groups:

• Work Delivery <u>A t</u>Feam or an individual assigned to execute site work.

• Authorising Engineer The person who has assigned and authorised work to take place.

• Primary Gas Control The Control Centre that has primary control of the site – as nominated

by the Site Owner (either Gas National Control Centre (GNCC) or the

relevant <u>D</u>distribution <u>C</u>eontrol <u>C</u>eentre as defined in <u>T</u>table 1).

• Team Leader The person in charge and responsible for the work activity on the

site. (normally the designated Competent Person for the activity).

• Network Controller The person or persons nominated by the Network Owner to be

responsible for monitoring and controlling work on the Nnetwork to ensure there are is no conflicts between activities that will affect the

flow of gas.

• Site Control Where the sSite has a designated Permit Office then a Site Controller

is appointed to control all activities on the site. (This applies to St

Fergus and Bacton Terminals, and Compressor Sites).

• Site Controller The pPerson designated to control the activities on site.

6. EXECUTION OF WORK

Before commencing work which could affect the gas supplies or telemetry at site, Work Delivery must:

- Contact the relevant Gas Control Centre(s) 's and obtain permission to carry out the work;
- Check the Site Logbook to determine whether any other work is taking place;
- When other work is identified, then:
 - o Contact the senior person in charge of the other work;
 - o Discuss whether both activities can be executed simultaneously in a safe manner;
 - o If decided that simultaneous works are unsafe, then contact their Authorising Engineer to determine which work should be executed first:

- o If necessary the Authorising Engineers from both organisations may need to agree which work should take precedence:
- o If both parties agree that simultaneous works can be executed safely, then jointly complete a "-Permission for Work to Proceed- Form" and place in the Site Logbook.

Note: For work on manned NTS Terminals and, Compressors a "-Permission for Work to Proceed-Form" must be completed.

- Contact the Gas Control <u>Centre</u> for <u>the</u> site to obtain authorisation to proceed with the work;
- Enter details of the work in the Ssite Oowner's Ttelemetry Rroom Llogbook;
- At <u>the end of the day Work Delivery must make the site safe site and remove all waste materials:</u>
- Contact the Gas Control Centre for the site to obtain permission to leave the site;
- Complete the SSite LLogbook; and
- Ensure that the site is secure before leaving the site.

7. RETENTION OF RECORDS

The Site Owner is responsible for providing copies of the "Permission for Work to Proceed Form" on the ssite so that they are available for use when required.

The Team Leader is responsible for ensuring the "Permission for Work to Proceed Form" (see Appendix A) is completed when required and a copy retained in the Site Owner's Telemetry Rroom.

The Site Oowner will retain copies of the completed "Permission for Work to Proceed Forms" on Site for a minimum of two (2) years after the work is completed.

Table 1 – DN/NTS Offtake – Site Roles and Contact Details

DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
ABERDEEN	Compressor	National Grid - NTS	NTS Site Control / GNCC	01224 748089	0870 1910633
ABERDEEN	Offtake	Scotia Gas Networks DN	SGN Gas Control	0845 0737957	0845 0737957
ALREWAS EM	Offtake	National Grid - DN	DNCC	0843 0737937	0870 2418701
	Offtake		DNCC		
ALREWAS WM	Ontake	National Grid - DN Scotia Gas Networks -	SGN Gas		0870 2418701
ARMADALE	Offtake	DN	Control	0845 0737957	0845 0737957
ASPLEY	Offtake	National Grid - DN	DNCC		0870 2418701
ASSELBY	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3173	0845 600 31730870 2418701
AUDLEY	Multijunction / Offtake	National Grid - NTS	GNCC	0870 1910633	0870 1910633
AUSTREY	Offtake	National Grid - DN	DNCC		0870 2418701
AYLESBEARE	Offtake	Wales & West Utilities - DN	DNCCWWU Control Centre		0870 241870103301 00 00 61
BACTON	Terminal / Offtake	National Grid - NTS	NTS Site Control / GNCC	01263 720655	01263 720655
BALDERSBY	Offtake	Northern Gas Networks – DN	NGN System ControlDNCC	0845 600 3173	0845 600 31730870 2418701
BALGRAY	Offtake	Scotia Gas <u>Networks</u> - DN	SGN Gas Control	0845 0737957	0845 0737957
BARRINGTON	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		03301 00 00 610870 2418701
BATHGATE	Compressor	National Grid - NTS	NTS Site Control / GNCC		0870 1910633
BATHGATE	Offtake	Scotia Gas Networks DN	SGN Gas Control	0845 0737957	0845 0737957
BISHOP AUCKLAND	Compressor / Offtake	National Grid - NTS	NTS Site Control / GNCC	01388 720651	0870 1910633
BLABY	Offtake	National Grid - DN	DNCC		0870 2418701
BLACKROD	Offtake	National Grid - DN	DNCC		0870 2418701
BLYBOROUGH	Offtake	National Grid - DN	DNCC		0870 2418701
BRAISHFIELD	Offtake	Scotia Gas Networks - DN	SGN Gas Control		0845 0737955
BRISLEY	Offtake	National Grid - DN	DNCC		0870 2418701
BROXBURN	Offtake	Scotia Gas <u>Networks</u> - DN	SGN Gas Control	0845 0737957	0845 0737957
BURLEY BANK	Offtake	Northern Gas Networks – DN	NGN System Control DNCC	0845 600 3173	0845 600 31730870 2418701
CALDECOTT	Offtake	National Grid - DN	DNCC		0870 2418701
CARESTON	Offtake	Scotia Gas <u>Networks</u> - DN	SGN Gas Control	0845 0737957	0845 0737957

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DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
COFFINSWELL	Offtake	Wales & West Utilities - DN	WWU Control Centre		03301 00 00 61
COLLINGATE	Ontake				03301 00 00
CIRENCESTER	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		610870 2418701
		Northern Gas Networks - DN	NGN System		0845 600 3175 <mark>0870</mark>
COLDSTREAM	Offtake	North over One Notice de	Control	<u>0845 600 3175</u>	2418701
CORBRIDGE	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3175	0845 600 31750870 2418701
		Northern Gas Networks - DN	NCN System		<u>0845 600</u>
COWPEN BEWLEY	Offtake	- DIN	NGN System Control DNCC	<u>0845 600 3175</u>	31750870 2418701
		Wales & West Utilities -	WWU Control		03301 00 00 61 0870
DOWLAIS	Offtake	DN DN	Centre DNCC		<u>2418701</u>
DROINTON OFFTAKE	Offtake	National Grid - DN	DNCC		0870 2418701
DRUM	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737957	0845 0737957
DITOM	Ontake	Wales & West Utilities -		0043 0737337	03301 00 00
DYFFRYN CLYDACH	Offtake	DN	WWU Control CentreDNCC		610870 2418701
DITTRIN GETDAGIT	Ontake		<u>OCHIIC</u> BNOO		2410701
EASTON OREV	055	Wa Wales & West Utilities -	WWU Control WWU Control		03301 00 00 610870 2418701
EASTON GREY	Offtake	DN	<u>Centre</u> DNCC		
ECCLESTON	Offtake	National Grid - DN Northern Gas Networks	DNCC		0870 2418701 0845 600
ELTON	Offtake	- DN	NGN System Control DNCC	<u>0845 600 3175</u>	31750870 2418701
EVESHAM	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		0870 2418701 <u>03301</u> 00 00 61
EYE	Offtake	National Grid - DN	DNCC		0870 2418701
FARNINGHAM	Offtake	Scotia Gas <u>Networks</u> - DN	SGN Gas Control	<u>0845 0737956</u>	0845 0737956
DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
FIDDINGTON	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		03301 00 00 610870 2418701
GANSTEAD	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3173	0845 600 31730870 2418701
GILWERN	Offtake	Wales & West Utilities -	WWU Control CentreDNCC		03301 00 00 610870 2418701
GLENMAVIS	LNG	National Grid - NTS	NTS Site Control / GNCC	01236 746 400	01236 746 400
GLENMAVIS	Offtake	Scotia Gas Networks DN	SGN Gas Control	0845 0737957	0845 0737957
GOSBERTON	Offtake	National Grid - DN	DNCC		0870 2418701
GREAT WILBRAHAM	Offtake	National Grid - DN	DNCC		0870 2418701
		Northern Gas Networks - DN	NGN System	0045 000 - :	0845 600 31750870
GUYZANCE HARDWICK	Offtake Offtake	Scotia Gas <u>Networks</u> -	Control DNCC SGN Gas Control	0845 600 3175 0845 0737955	2418701 0845 0737955
HOLMES CHAPEL	Offtake	National Grid - DN	DNCC	20.0000	0870 2418701
HORNDON	Official	National Grid - DN Northern Gas Networks - DN	NGN System	0045 000 045	0870 2418701 0845 600 31750870
HUMBLETON	Offtake	Scotia Gas Networks -	Control DNCC SGN Gas	<u>0845 600 3175</u>	2418701

DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
ILCHESTER	Offtake	Wales & West Utilities -	WWU Control CentreDNCC		03301 00 00 610870 2418701
IPSDEN	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737955	0845 0737955
KELD	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3175	0845 600 31750870 2418701
KENN	Offtake	Wales & West Utilities -	WWU Control CentreDNCC		03301 00 00 610870 2418701
KINKNOCKIE	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737957	0845 0737957
KIRKSTEAD	Offtake	National Grid - DN	DNCC		0870 2418701
LANGHOLM	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737957	0845 0737957
LEAMINGTON	Offtake	National Grid - DN	DNCC		0870 2418701
LITTLE BURDON	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	0845 600 3175	0845 600 31750870 2418701
LITTLETON DREW	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		0870 241870103301 00 00 61
LOCKERBIE	Offtake	Scotia Gas Networks - DN	SGN Gas Control	<u>0845 0737957</u>	0845 0737957
LOWER QUINTON	Offtake	National Grid - DN	DNCC		0870 2418701
LUPTON	Multijunction / Offtake	National Grid - NTS	GNCC	0870 1910633	0870 1910633
LUXBOROUGH LANE	Offtake	National Grid - DN	DNCC		0870 2418701
LYNEHAM (CHOAKFORD)	<u>Offtake</u>	Wales & West Utilities - DN	WWU Control Centre		03301 00 00 61
MAELOR	Offtake	Wales & West Utilities -	WWU Control CentreDNCC		03301 00 00 610870 2418701
MALPAS	Offtake	National Grid - DN	DNCC		0870 2418701
MAPPOWDER	Offtake	Scotia Gas Networks- DN	SGN Gas Control	0845 0737955	0845 0737955
MARKET HARBOROUGH	Offtake	National Grid - DN	DNCC	0040 0101000	0870 2418701
MATCHING GREEN	Offtake	National Grid - DN	DNCC		0870 2418701
MELKINTHORPE	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	<u>0845 600 3175</u>	0845 600 31750870 2418701
MICKLE TRAFFORD	Offtake	National Grid - DN	DNCC		0870 2418701
MILWICH NETHER	Offtake	National Grid - DN Scotia Gas Networks -	DNCC SGN Gas		0870 2418701
PANNAL	Offtake Offtake	DN Northern Gas Networks - DN	NGN System Control DNCC	0845 0737957 0845 600 3173	0845 0737957 0845 600 31730870 2418701
PARTINGTON	Offtake	National Grid - DN	DNCC	32.2.0000110	0870 2418701
PAULL	Multijunction / Offtake	National Grid - NTS	GNCC	0870 1910633	0870 1910633
PETERS GREEN	Offtake	National Grid - DN	DNCC		0870 2418701
DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
PICKERING	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	0845 600 3175	0845 600 31750870 2418701
PITCAIRNGREEN OT	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737957	0845 0737957
PUCKLECHURCH	Offtake	Wales & West Utilities - DN	DNCC	00-0 0101001	0870 2418701
RAWCLIFFE	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3175	0845 600 3175 <mark>0870</mark>

DN/NTS Offtake Site	Site Type	Site Owner	Primary Gas Control Centre / Site Control	Contact During working hours	Contact OUT of working hours
					2418701
ROSS	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		03301 00 00 610870 2418701
ROUDHAM HEATH	Offtake	National Grid - DN	DNCC		0870 2418701
ROYSTON	Offtake	National Grid - DN	DNCC		0870 2418701
RUGBY	Offtake	National Grid - DN	DNCC		0870 2418701
SALTEND BP	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	<u>0845 600 3175</u>	0845 600 31750870 2418701
SALTWICK	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	0845 600 3175	0845 600 31750870 2418701
SAMLESBURY	Offtake	National Grid - DN	DNCC		0870 2418701
SEABANK	Offtake	Wales & West Utilities - DN	WWU Control CentreDNCC		0870 241870103301 00 00 61
SHORNE	Offtake	Scotia Gas <u>Networks</u> - DN	SGN Gas Control	<u>0845 0737956</u>	0845 0737956
SHUSTOKE	Offtake	National Grid - DN	DNCC		0870 2418701
SILK WILLOUGHBY	Offtake	National Grid - DN	DNCC		0870 2418701
SOUTRA	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737957	0845 0737957
ST. FERGUS	Terminal	National Grid - NTS	NTS Site Control / GNCC	01779 838611	01779 838611
ST.FERGUS	Offtake	Scotia Gas Networks_	SGN Gas Control	0845 0737957	0845 0737957
	- Cittano	Scotia Gas Networks -	SGN Gas	0845 0737957	00.000.000
STRANRAER	Offtake	DN N	Control		0845 0737957
STRATFORD-UPON- AVON	Offtake	National Grid - DN	DNCC		0870 2418701
SUTTON BRIDGE	Offtake	National Grid - DN	DNCC		0870 2418701
TATSFIELD	Offtake	Scotia Gas Networks - DN	SGN Gas Control	0845 0737956	0845 0737956
THORNTON CURTIS	Offtake	National Grid - DN	DNCC		0870 2418701
THRINTOFT	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	0845 600 3175	0845 600 31750870 2418701
TOW LAW	Offtake	Northern Gas Networks - DN	NGN System ControlDNCC	0845 600 3175	0845 600 31750870 2418701
TOWTON	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3175	0845 600 31750870 2418701
TUR LANGTON	Offtake	National Grid - DN	DNCC		0870 2418701
WALESBY	Offtake	National Grid - DN	DNCC		0870 2418701
WARBURTON	Offtake	National Grid - DN	DNCC		0870 2418701
WEST WINCH	Offtake	National Grid - DN	DNCC		0870 2418701
WESTON POINT	Offtake	National Grid - DN	DNCC		0870 2418701
WETHERAL	Offtake	Northern Gas Networks - DN	NGN System Control DNCC	0845 600 3175	0845 600 31750870 2418701
WHITWELL	Offtake	National Grid - DN	DNCC		0870 2418701
WINKFIELD SE	Offtake	Scotia Gas Networks - DN	SGN Gas Control SGN Gas	0845 0737956	0845 0737956
WINKFIELD SO	Offtake	Scotia Gas <u>Networks</u> - DN	Control	<u>0845 0737955</u>	0845 0737955
WINKFIELD NT	Offtake	National Grid - DN	DNCC		0870 2418701
YELVERTON	Offtake	National Grid - DN	DNCC		0870 2418701

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Co-ordination and Control of Site Work Site Controller or Team Control Centre Authorising Team Leader Network Controller reponsible for the Leader in charge of Engineer other work Assets Arrive at Site Contact site Control or Network Controller of gas through site and can it proceed Will work affect remote operation of site or any telemetry readings? Contact Control Team Leader contact Authorising Engineer and inform team work cannot start. Consider Ν Centres whether work responsible for the can proceed. Assets. Team Leader contact
Authorising Engineer to
obtain advice on what
work should be carried
out first. Ilf necessary
contact Authorising
Engineer from other Is there any other work being carried out on site ? an work be carrie out safely at same time as other work Ν N gree work Complete permission form, sign by that can both persons in charge of work proceed Ν Obtain log on no from Gas Control Room Log details in site book Carry out work under own permitry process . Reprogramme work. Where necessary close out permission towork form and contact other people working on site Complete work, make site safe. Ν Confirm site telemetry OK . Give clearance to leave site. Did work involve requirement to contact control centre? N Contact Site Controller or Network Controller and log off. Log off on site logbook Make site secure . END

Figure 1 – Co-ordination and Control of Site Work

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APPENDIX A "PERMISSION FOR WORK TO PROCEED FORM"

SIIE NAME					
Is there any other work being	g carried out on <u>s</u> site <u>? </u> - YES	/ NO			
For example, are the followir exhaustive list)	ng work types being undertake	n <u>?</u> (Note: This is <u>not</u> an			
- Gas is being vented will affect work areas - Valve operations will affect gas flows - Electrical isolation will affect valve movements - Plant-/-vehicle movement will conflict with each other - Emergency Access-/-Egress is affected - Emergency action will affect other work activities					
If YES: - Mmake contact with any conflict between their wo		t work and determine if there is			
If NO: ,-Cearry out works as	per company instructions and	contact relevant bodies.			
	iod fromhrs on Details of work being carried ou	tohrs onut:			
ACTIVITY – 2 Validity Per	ind from hrs on	tohrs on			
	Details of work being carried or				
	THE WORK CANNOT BE CAR EACHED ON WHICH ACTIVITY IGINEER FOR ADVICE.				
There is no conflict between th Team Leader in charge of Activ		e carried out safely at the same time.			
Print Name:	Signature:	Date:			
There is no conflict between the work and both activities can be carried out safely at the same time. Team Leader in charge of Activity 2					
Print Name:	Signature:	Date:			
Work Complete Print Name:	Signature:	Date:			

NOTES:

1. Where more than two activities are being carried out on one site append an additional form and change activity numbers on appended form, e-g- change Activity 1 to Activity 3, etc.

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2. A ccopy of this "Permission forte Wwork to Proceed Fform" must be retained in the Site Room.	· Owner's Telemetry
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