

Standard ALI Query

Element Usage Key	
O = Optional. Data may be omitted or may be unavailable.	1 = Required in Phase 1
R = Required. Valid data should be available and transmitted.	2 = Required in Phase 2
C = Conditional based on other call info	
E = Echo required if received from PSAP.	

Status Codes	
Success codes:	Ok, OkMore (means can get additional info ex: Phase I location then get Phase II), OkMigrate (record not unlocked), OkPorting (in progress)
Requester errors:	Requester, VersionMismatch, RequestRefused
Responder errors:	Responder, NotFound, ANIFailure911, ANIFailure000, AnonymousCall
NOTE - QueryResultData is returned only with 'success' codes	

Orange highlighted elements are defined by the AQS standard schema; unhighlighted elements are old fields in the ALI schemas; new fields from the ALI schema are highlighted green

QueryRequest		Element/Attribute	Query
		<i>ID</i>	O
		QueryType	R
QueryKey	NumericKey	FirstPart	R
		SecondPart	O
QueryProperties		TrunkID	O
		CallTakerPosition	O

query types are Normal, Manual, Rebid, Refresh, Test
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QueryResponse		Element/Attribute	Wireline Query Response	Wireless Query Response	NRF Query Response	Voip Query Response
		<i>ID</i>	O	O	O	O
		<i>inResponseTo</i>	E	E	E	E
Status		StatusCode	R	R	R	R
		StatusMessage	O	O	O	O
QueryProperties		TrunkID	E	E	E	E
		CallTakerPosition	E	E	E	E
		Call Info	CallBackNum	O	R	R
		CallingPartyNum (ANI)	R	R	R	R
		ClassOfService	R	R		R
		TypeOfService	R			R
		SourceOfService	R*	R*		R*
		MainTelNum	C*			C*
		CustomerName	O	O		O
		CustomerCode	O			O
		AttentionIndicator	O	O		O
		SpecialMessage	O	O	R	O
		Also Rings At Address	O			O
		HouseNum	O	O		O
		HouseNumSuffix	O	O		O
		PrefixDirectional	O	O		O
		StreetName	R	O		C*
StreetSuffix	O	O		O		
PostDirectional	O	O		O		
TextualAddress	O	O		O		
MSAGCommunity	R	O		C*		

QueryResultData	ALI Body	Location Info	Street Address	PostalCommunity	0	0		0
				StateProvince	R	0		C*
			CountyID	0	0		0	
			Country	0	0		0	
			TARCode	0			0	
			PostalZipCode	0	0		0	
			Building	0			0	
			Floor	0			0	
			UnitNum	0			0	
			UnitType	0			0	
			LocationDescription	0	0		0	
			LandmarkAddress	0	0		0	
			Geo Location	Latitude	0	2		C*
				Longitude	0	2		C*
		Elevation		0	0		0	
		Datum			0		0	
		Heading			0		0	
		Speed (in KPH/MPH)			0		0	
		PositionSource			2		R	
		Uncertainty			2		C*	
		Confidence			2		C*	
		DateStamp			2		C*	
		LocationDescription		0		0		
		Cell Site	CellID		1 2			
			SectorID		1 2			
			LocationDescription		0			
			Comment	0	0	0	0	
		Agencies	Police	Name	R	R		R
				TN	0	0		0
			Fire	Name	R	R		R
				TN	0	0		0
			EMS	Name	R	R		R
				TN	0	0		0
			Other Agencies	Name	R	R		R
				TN	0	0		0
				AdditionalInfo	0	0		0
				ESN	R	R		R
		Source Info	Data Provider	DataProviderID	0	0		0
				TN	0	0		0
				Name	0	0		0
			Access Provider	AccessProviderID	R	R		R
				TN	0	0		0
				Name	0	0		0
		NetworkInfo	ALIUpdateGMT	0	0		0	
			ALIRetrievalGMT	R	R	R	R	
			GeneralUses	0	0	0	0	
			PSAPALHost	0	0		0	
			RespALHost	0	0		0	
			PSAP ID	R	R		R	
			PSAPName	0	0		0	
Router ID	0		0		0			
Exchange	0							
CLLI	0			0				

For details on AQS see:

http://www.nena.org/media/files/04-005_20061121.pdf