

U.S. Department of Transportation Federal Aviation Administration Memorandum

Subject INFORMATION: Full Transcript; Aircraft Accident; MSR990;

Jamaica, NY; October 31, 1999, 2101 UTC

From: Kennedy ATCT

Reply to Attn. of:

Date: November 01, 1999

To: Aircraft Accident File

This transcription covers the Kennedy ATCT Clearance Delivery, Ground Control and Local Control positions combined for the time period from October 31, 1999, 0548 UTC to October 31, 1999, 0626 UTC.

<u>Abbreviations</u>
LC
KAL088
N5EK
LRC661
MSR990
DLH8202
UAL9206
ZNY
UNK
CAR99
ELY8212

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving MSR990:

Rocco Cangelosi

Air Traffic Control Specialist

JFK. ATCT

An

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0548	LC	(unintelligible) then as filed maintain five thousand expect flight level three five zero one zero minutes after squawk three zero zero one november now the current atis departure frequency one two five point seven
0548:15	KAL088	korean air zero eight eight (unintelligible) kennedy seven departure gateway climb vectors to gayle then as file maintain flight level maintain five thousand expect flight level three five zero ten minutes after departure ah departure frequency one two five seven ah squawk three zero zero one
0548:35	LC	korean air zero eight eight heavy contact tower nineteen one when your ready to taxi have a nice flight
0548:41 0549	KAL088	roger korean air zero eight (unintelligible)
0549:06	KAL088	ground korean air zero (unintelligible) eight eight push back gate three
0549:15	LC	korean zero eight eight i don't control your ramp call your ramp for push back
0549:20	KAL088	roger
0549:23	LC	call nineteen one when your ready to taxi
0549:26	KAL088	roger korean air zero eight eight
0549:33	N5EK	kennedy ground five echo kilo
0549:37	LC	five echo kilo who is that



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0549:40	N5EK	american airlines
0549:44	LC	ok well what do you want
0549:47	N5EK	(unintelligible) taxi out (unintelligible) company hanger (unintelligible)
0549:51	LC	ok coming out sierra
0549:53	N5EK	уер
0549:55	LC	(unintelligible) taxi via sierra to the hanger
0549:56 0550	N5EK	сору
0551 0551:46	LC	lacsa six sity one tower
0551:49	LRC661	go ahead
0551:51	LC	alright you're cleared to ah mike romeo alpha charlie via the kennedy seven departure gateway climb vector wavey then as filed maintain five thousand expect flight level three five zero one zero minutes after squawk one six zero five november is the current atis departure frequency is on tow five point seven
0552		nequency is on tow five point seven
0552:11	LRC661	ok lacsa six sixty one (unintelligible) just after kennedy seven departure i understand direct wavey at five five thousand three five zero ten minutes one six zero five and ah frequency will be one twenty five point seven and just confirm (unintelligible) give me the climb

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0552:30	LRC661	gateway climb tonight for lacsa six sixty one (unintelligible)
0552:33	LC	alright contact tower nineteen one when your ready to taxi lacsa six sixty one
0552:38 0553	LRC661	nineteen one when ready to taxi lacsa six sixty one thanks
0553:02	MSR990	egypt air nine nine zero heavy good evening
0553:19	MSR990	egypt air nine nine zero heavy
0553:20	LC	egypt air nine ninety heavy clearance on request
0553:24	MSR990	copy nine nine zero heavy
0553:27	DLH8202	kennedy tower good morning lufthansa eight two two heavy (unintelligible) taxi out of charlie bravo
0553:57	DLH8202	kenndey lufthansa eighty two oh two
0554:00	LC	lufthansa eighty two oh two go ahead
0554:02	DLH8202	good morning eighty two oh two heavy request taxi out of charlie bravo
0554:06	LC	(unintelligible) lufthansa eighty two taxi left on charlie for runway tow two right
0554:11	DLH8202	left on charlie two two right eight two oh two



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0554:19	UAL9206	kennedy tower (unintelligible) two zero six heavy were seven miles out ils thirty one right
0554:25	LC	ninety two zero six heavy wind is two two zero at six runway three one right cleared to land and ah (unintelligible) hows that visibility up there ah is there a big cloud level up there or what's going on
0554:40	UAL9206	naw it's clear above it's steps right down ah down real low were out of two thousand feet were still (unintelligible)
0554:46	LC	ok roger you can ah can you see the approach lights you want me to turn them up or whats going on
0554:53	UAL9206	no we can't see them better turn them up
0554:59	LC	alright got them on high now ah (unintelligible) i think it's only a low layer to (unintelligible) when you get down on the ground it's going to be clear so i don't know when you're going to break out maybe like ah hundred feet but you're going to be real clear once you get though the clouds
0555:16	UAL9206	ok looks like the tops out here about eleven hundred feet
0555:19	LC	ok and ah yea it goes down to about hundred and there it should be clear
0555:26	UAL9206	ok
0555:59	UAL9206	and tops are about ah thousand feet

ZNY-ARTCC-143
MSR990

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0556:02	LC	ok
0556:08	LC	oh hi yeah I had egypt air nine ninety from ah he was proposed out at zero three thirty is that flight plan still good or (unintelligible) computer just came up
0556:20	ZNY	yeah that's still good
0556:21	LC	yeah
0556:22	LC	give him a new code or the three thousand code or give him (unintelligible)
0556:26	ZNY	the code that he has is good
0556:28	LC	yeah
0556:29	ZNY	yeah ah i need you to clear him gayle as filed
0556:33	LC	ok
0556:34	ZNY	and (unintelligible)looking for thirty one
0556:35	LC	ah thirty one thousand no
0556:37	ZNY	yea
0556:39	LC	alright i'll give him thirty one
0556:41	ZNY	alright
0556:43	LC	alright

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0556:46	ZNY	see ya
0556:49 0557	UAL9206	you can cut the lights down
0557:14	UAL9206	yea we broke out about two hundred and fifty feet
0557:17	LC	yea that's what i thought ah (unintelligible) ninety two zero six turn left when you can you can taxi you going to your cargo building today
0557:24	UAL9206	affirmative
0557:26	LC	alright taxi via bravo to your cargo building and you can just stay this frequency to the ramp
0557:30	UAL9206	ok (unintelligible) exit at victor bravo all the way to the ramp thanks
0557:37	UAL9206	yea the tops are a thousand feet their ragged clear above
0557:42	LC	ok thanks yea it just blew in so ah i didn't know how high it was
0557:47	UAL9206	it doesn't go very far inland either
0557:50	LC	o realy ok thanks
0557:52 0558	UAL9206	you bet

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0558:27	KAL088	kennedy tower korean air zero eight eight (unintelligible) to taxi
0558:33	LC	korean air zero eight eight kennedy tower are you coming out of terminal one
0558:39	KAL088	roger terminal one now
0558:41	LC	alright taxi left on bravo left bravo hold short of foxtrot
0558:46	KAL088	roger left on bravo hold short of foxtrot korean air zero eight eight
0558:59	UNK	hello
0559:00	LC	o hi yea the weather is getting bad ah (unintelligible) we went i fr ah about ten minutes ago so ah (unintelligible) I got about half mile on the vis (unintelligible) alright
0559:10	UNK	ok are you still busy or can i come out there now
0559:13	LC	alright you can come out i'm not that busy
0559:15	UNK	ok
0559:16	LC	alright
0559:17	UNK	ok bye
0559:24	LC	hey (unintelligible)
0559:30	UNK	(unintelligible)

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0559:31	LC	yea (unintelligible)we just went i f r here about ten minutes ago ah (unintelligible) fog layer blowing in so i got about half mile on my vis it goes from about eleven hundred to two hundred fifty feet is thick for (unintelligible alright
0559:43	MSR990	egypt air nine nine zero heavy we are ready for our clearance
0559:47	UNK	(unintelligible)
0559:50	LC	alright
0559:58	DLH8202	kennedy lufthansa eighty two two ready for departure
0600:00	LC	lufthansa eighty two oh two kennedy tower runway two two right taxi into position and hold
0600:06	DLH8202	into position and hold two two right lufthansa eighty two two
0600:14	LC	egypt air nine ninety clearance
0600:16	MSR990	go ninety nine
0600:20	LC	you are cleared to hotel echo charlie alpha via the kennedy seven departure it's gonna be a gateway climb vectors shipp then as filed maintain five thousand expect flight level three three zero one zero minutes after squawk one seven one two oscar the current atis departure frequency one two five point seven

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0600:38	MSR990	egypt air nine nine zero cleared to (unintelligible) kennedy seven departure gateway position shipp five thousand three three zero ten minutes one seven one squawking one two five seven for departure egypt air nine nine zero
0600:54	CD	egypt air nine ninety contact tower on nineteen one when you are ready to taxi have a nice flight
0600:58 0601	MSR990	thank you bye
0601:19	LC	lufthansa eight two oh two going over robinsnville squawking three zero zero zero
0601:24	UNK	(unintelligible)
0601:29	LC	lufthansa eighty two oh two runway two two right more than six thousand wind is two two zero at niner you're cleared for takeoff
0601:39 0602	DLH8202	cleared for takeoff two two right lufthansa eighty two oh two heavy
0603 0603:22	LC	lufthansa eighty two oh two ah heavy contact departure on ah one two five point seven have a nice flight
0603:29 0604	DLH8202	going to one two five point seven lufthansa eighty two oh five eighty two oh two bye
0605 0605:12	KAL088	kennedy tower korean air zero eight eight approaching foxtrot
0605:19	LC	korean zero eight eight heavy now cross runway three one right at zulu alpha hold short of runway two two right



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0605:25 0606	KAL088	roger cross runway ah three one right and (unintelligible) korean air zero eight eight
0607 0607:05	LC	korean air zero eight eight heavy runway two two right taxi into position and hold
0607:09 0608	KAL088	taxi into position and hold runway two two right korean air zero eight eight heavy
0608:44	LC	korean air zero eight eight going over gayle squawk three zero zero one
0608:51	LC	korean air zero eight eight runway ah two two right r v r more than six thousand wind two three zero at eight runway two two right cleared for takeoff
0608:58 0609	KAL088	roger (unintelligible) cleared for takeoff runway two two right korean air zero eight eight
0610 0610:26	LC	korean air zero eight eight heavy contact departure one two five point seven
0610:30	KAL088	one two five point seven korean air zero eight eight good day
0610:51	CAR99	and tower nine nine is holding short of the approach end runway one three right
0610:55	LC	(unintelligible) are those lights too bright i just turned them up ah to see if i was getting an r v r reading there
0611:03	CAR99	ah can you put them back on three there blinding

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0611:07	LC	yea sure hold on a second
0611:21	LC	alright nine nine you ready to go on one three right you say
0611:25	CAR99	yes sir
0611:26	LC	alright nine nine proceed on runway one three right and ah you cleared to cross runway two two right
0611:34	CAR99	ah roger cleared to cross two two right ninety nine
0611:56	MSR990	ground egypt air nine nine zero heavy good evening and on alpha
0612:03	LC	egypt air nine ninety where are you
0612:07	MSR	ground egypt air nine nine zero hold short of alpha
0612:11	LC	egypt air nine ninety come up on one nineteen one
0612:14	MSR	nineteen one
0612:30	LC	egypt air nine nine zero up on frequency
0612:34	MSR990	affirmative changing to nineteen one bye
0612:38	MSR990	ah tower egypt air nine nine zero heavy hold short of alpha

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0612:43	LC	where are you where at alpha
0612:44	MSR990	on golf
0612:46	LC	alright taxi left on bravo and hold short of runway three one right at zulu alpha
0612:57	MSR990	confirm bravo and hold short zulu alpha confirm egypt air nine nine zero heavy
0612:58	LC	it's taxi left bravo hold short of runway three one right at zoo at zulu alpha
0613:05	MSR990	ah hold short left bravo and hold short three one zulu alpha egypt air nine nine zero heavy
0613:51	ELY2812	clearance delivery el al two eight one two ah good morning
0613:57	LC	el al two eight one two good morning your cleared to frankfurt via the kennedy seven departure actual it's a betty two departure and nantucket transition start out with a gateway climb then as filed maintain five thousand expect flight level two niner zero one zero minutes after squawk three zero zero two and ah oscar the current atis departure frequency one two five point seven
0614:28	ELY2812	roger el al cleared to frankfurt via betty two nantucket transition gateway five thousand feet initially two niner zero ten minutes after departure three zero zero two the squawk and the departure frequency one two five seven ah we would like a possible to take off on runway three one left

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0614:56	LC	it's available but ah it's not the noise abatement selected runway tonight so we're going of off two two right
0615:06	LRC661	and ah kennedy tower lacsa six sixty one at mike alpha taxi out
0615:09	ELY8212	ah confirm three one left will be available for us
0615:13	LC	what i said was (unintelligible) the runway is available if you need it but it's not the noise abatement selected runaway (unintelligible) delays subject to comforming traffic
0615:25	ELY8212	(unintelligible) are the heavy today (unintelligible)
0615:30	LC	lacsa six six one standby
0615:32	LC	alright el al two eight one two when your ready to taxi if you need three one left i'll give you three one left
0615:38	ELY8212	ok thank you
0615:42	MSR990	tower egypt air niner niner zero heavy approaching hold short three one left and ah approaching zulu alpha
0615:51	LC	egypt air nine ninety cross runway three one right at zulu alpha hold short of runway two two right
0615:57 0616	MSR990	ah kennedy tower egypt air nine nine zero heavy holding short two two right

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0616:04	LC	lacsa six sixty one were you coming out
0616:07	LRC661	(unintelligible) were coming out mike mike alpha
0616:09	LC	lacsa six sixty one taxi left on bravo hold short of foxtrot
0616:16 0617	LRC661	(unintelligible) left on bravo and hold short of foxtrot lacsa six sixty one
0617:56	MSR990	ah kennedy tower egypt air nine nine zero heavy holding short two two right
0618:01	LC	egypt air nine ninety hold short of two two right
0618:05	MSR990	hold short confirm departure frequency one two five seven
0618:09	LC	that's correct
0618:11	MSR990	thank you sir
0618:14	LC	nine nine tower
0618:17	CAR99	nine nine
0618:18	LC	yea were are you right now
0618:21	CAR99	ah (unintelligible) right adjacent to mike
0618:24	LC	ok yea that were i thought you were hold short of runway two two right i'm going to have a departure

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0618:29	CAR99	roger hold short nine nine
0618:32	LC	egypt air nine ninety heavy runway two two right taxi into position and hold
0618:36 0619	MSR990	taxi into position and hold nine nine zero heavy
0619:06	LC	i got a egypt air nine ninety going over shipp it's on an older strip center says it's still good squawk one seven one two here he comes
0619:22	LC	egypt air nine ninety heavy the wind is two four zero at one zero runway two two right r v r is more than six thousand runway two two right cleared for takeoff
0619:33	MSR990	cleared for takeoff confirm climb to six thousand
0619:36	LC	negative sir the runway two two right r v r is more than six thousand you fly the gateway climb climbing to five thousand
0619:43 0620	MSR990	following gateway cleared for takeoff runway two two right egypt air nine nine zero heavy
0620:59	LC .	nine nine use caution for wake turbulence your cleared to cross runway two two right on one three right
0621:05	CAR99	nine nine
0621:07	LC	egypt air nine ninety heavy contact departure now on one two five point seven
0621:11	MSR990	to departure bye bye

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0622 0622:31	CAR99	nine nine clear of two two right
0622:34	LC	nine nine roger
0622:39	LC	lacsa six sixty one cross runway three one right at zulu alpha hold short of two two right
0622:45 0623	LRC661	ok understand cross three one (unintelligible) by zulu alpha and (unintelligible)
0623:39	CAR99	and tower nine nine clear of three one left hold short of the approach end four right
0623:44 0624	LC	nine nine proceed on the runway four right
0624:47 0625	CAR99	nine nine
0625:17	LC	lacsa six six one runway two two right taxi into position and hold
0625:21	LRC661	into position and hold lacsa six sixty one lacsa six sixty one
0625:33	LC	lacsa six sixty over wavey
0625:34	LRC661	(unintelligible) taxi to two two right lacsa six sixty one
0625:41	LC	yes (unintelligible) two two right
0625:43 0626	LRC661	thanks

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End of Transcript

* This portion of the rerecording is not entirely clear, but this represents the best interpretation possible under the circumstances.



Memorandum

Date: November 2, 1999

Subject: INFORMATION: Full Transcript; Aircraft

Accident: MSR990: 60 NM SSE Nantucket,

MA.; October 31, 1999, 0653 UTC

New York ARTCC

Reply to

Attn. of:

To: Aircraft Accident File ZNY-ARTCC-143

This transcription covers the New York ARTCC Sector 57 non-radar position for the time period from October 31,1999, 0551 UTC to October 31,1999, 0601 UTC.

Agencies Making Transmissions

Abbreviations

New York ARTCC, Departure Complex

JFK Tower Flight Data

D57 JFKT

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject accident.



Robert L. Shainline Quality Assurance Support Specialist New York Air Route Traffic Control Center

0551

0552

0553

0554

0555 0556

0556:05

D57

pit

ZNY-ARTCC-143 MSR990		
Page 2 of 3		
0556:07	JFKT	oh hi yeah i had a egyptair nine ninety from ah he was proposed out at zero three ah thirty is that flight plan still good or ah since the computer just came up
0556:15	D57	yeah that that's still good
0556:20	JFKT	yeah give him a new code or the three thousand code or give him the code he has
0556:23	D57	the code he has is good
0556:25	JFKT	yeah
0556:26	D57	yeah
0556:27	JFKT	all right
0556:28	D57	hey while i got you korean air two fifty eight
0556:30	JFKT	yeah
0556:31	D57	um i'll give you the clearance gayle as filed
0556:32	JFKT	ok
0556:34	D57	there looking for thirty one
0556:35	JFKT	ah thirty one thousand now

0556:35

D87 yeah

MSR990	40	
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0556:36	JFKT	all right i'll give him thirty one
0556:37	D57	all right
0556:38	JFKT	all right
0556:39 0557 0558 0559 0600 0601	D57	d u

ZNY-ARTCC-143

End of Transcript



Memorandum

图 特别的 电影

Subject

INFORMATION: Full Transcript; Aircraft

Date: November 19, 1999

Accident; MSR990; 60 SSE ACK; October 31,

1999

From: New York TRACON

Reply to Attn. of:

To: Aircraft Accident File ZNY-ARTCC-143

This transcription covers the New York TRACON for the time period from October 31, 1999, 0616 UTC to October 31, 1999, 0631 UTC.

Agencies Making Transmissions	<u>Abbreviations</u>
New York TRACON	N90
Kennedy ATCT	JFKT
Boston ARTCC	ZBW
New York ARTCC	ZNY
Egypt Air Flight 990	MSR990
Tower Air Flight 121	TWR121
Lacsa Flight 661	LRC661

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving MSR990:

Richard C. Miller

Staff Specialist Quality Assurance

New York TRACON

0616 0616:12	N90	korean air eighty eight heavy contact new york on one two six point eight good morning
0616:17 0617 0618	KAL088	roger one two six point eight korean air zero eight eight good morning
0619 0619:06	JFKT	ive got an egypt air nine ninety uh going over shipp
0619:09	N90	uh huh

0619:09	JFKT	its on a older strip but the center said its still good
0619:12	N90	all right fine
0619:13	JFKT	squawk one seven one two
0619:14	N90	good
0619:15 0620	JFKT	here he goes
0620:39	ZBW	rober arrivals new york
0620:43	N90	yeah
0620:44	ZBW	i have a manual hand off for you just over calverton twenty four oh four code
0620:48	N90	who is it
0620:49	ZBW	tower air one twenty one
0620:50	N90	eh what type
0620:52	ZBW .	uh you know good question not a hundred percent sure
0620:56	N90	all right hes radar contact
0620:58 0621	ZBW	thanks a lot ill have him check on it
0621:15	MSR990	departure egypt air nine ninety on your frequency
0621:20	N90	egypt air nine ninety heavy new york youre radar contact climb maintain one three thousand
0621:25	MSR990	climbing one three thousand nine nine zero
0621:31	TWR121	kennedy approach tower one two one checking in one two thousand a seven four seven
0621:37	N90	tower one two one new york youre radar contact descend and maintain four thousand and say your type aircraft
0621:42	TWR121	down to four thousand tower air one two one were a seven forty seven
0621:47	N90	all right sir did you want thirty one left or no
0621:50	TWR121	right side would be fine
0621:52	N90	all right plan i ls three one right tower air one two one heavy
0621:55	TWR121	one three right tower air one two one

0621:57 0622	N90	egypt air nine ninety heavy turn left and proceed direct shipp
0622:01 0623	MSR990	direct shipp nine ninety right
0623:21	N90	tower one twenty one heavy descend and maintain four thousand and fly heading two five zero
0623:26 0624	TWR121	four thousand heading two five zero tower one twenty one
0624:46	N90	(unintelligible) kennedy manual handoff egypt air nine ninety
0624:58	ZNY	doesnt anybody know over at the tower that they gotta put these flight plans back in
0625 0625:01	N90	its just disgusting
0625:03	ZNY	uh let me see if they put anything in i maybe just didnt get the paper hang on I see him coming keep him coming
0625:10	N90	wilco
0625:11	ZNY	lets see you can go to twenty three with him too
0625:13	N90	twenty three
0625:14	ZNY	yeah uh and let me see if there is anything in here of course not uh i don't have all of his routing either oh thats wonderful
0625:23	N90	shipp linnd lacks dovey natz santiago s t g and hes going to cairo h e c a
0625:33	ZNY	o k cairo and what code do you have him on
0625:36	N90	seventeen twelve
0625:38	ZNY	o k let me start a track track pick this new equipment i dont even know how to do this stuff enter there he is o k interim two three oh do you know what he wants for a final
0625:50	N90	i got thirty three thousand
0625:52	ZNY	o k uh hes radar contact and uh yeah just go to twenty three
0626:00	N90	o k wilco
0626:01	ZNY	all right thanks
0626:04	N90	egypt air nine ninety heavy climb and maintain flight level two three zero and contact new york center on one three four point five five
0626:10	MSR990	one three four five five two three zero
0627 0627:19	JFKT	lacsa six sixty one goin over wavey



0627:22	N90	check
0627:26	N90	tower one twenty one descend and maintain two thousand
0627:30	TWR121	two thousand tower one twenty one
0628 0628:40	LRC661	new york departure good morning lacsa six six one out of nine hundred for five thousand
0628:45	N90	lacsa six six one good morning youre radar contact climb and maintain one three thousand
0628:48	LRC661	up to one three thousand lacsa air six six one
0629:00	N90	tower one two one turn right heading two eight zero youre thirteen miles from the outer marker maintain two thousand until established on localizer cleared ils three one right approach
0629:10	TWR121	two eight zero maintain two thousand until established cleared three one right approach
0629:16	N90	lacsa six six one turn left and proceed direct to wavey resume your own navigation
0630:20	LRC661	roger direct to wavey resume own navigation lacsa six six one
0630:32	LRC661	and kennedy lacsa six six one any chance for high speed at this time
0630:35	N90	roger lacsa six six one speed your discretion
0630:37	LRC661	thank you
0630:39	N90	tower one twenty one heavy contact kennedy tower one one niner point one so long
0630:41	TWR121	one one niner point one good night
0630:52	N90	lacsa six six one contact new york center one three four point five five so long
0630:55 0631	LRC661	one three four point five five for lacsa six six one have a nice day

End of Transcript



Memorandum

November 4, 1999

Subject: INFORMATION: Full Transcript; Aircraft

Accident: MSR990; 60 NM SSE Nantucket,

MA: October 31, 1999, 0653 UTC

From:

New York ARTCC

Reply to Attn. of:

Date:

Aircraft Accident File ZNY-ARTCC-143

This transcription covers the New York ARTCC Manta radar position for the time period from October 31, 1999, 0619 UTC to October 31, 1999, 0639 UTC.

Agencies Making Transmissions

New York TRACON, Kennedy Sector New York Center, Manta Radar Sector

Egypt Air Airlines Flight 990

Agent Unknown

Lineas Aereas Costarricenses S.A.Flight 661

Washington Center, Sea Isle Sector

Abbreviations

KDR R66

MSR990

Unknown

LRC661

SIE

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving MSR990:



Theresa Kirk Quality Assurance Data Analyst New York ARTCC

0619

0620

0621

0622

0623

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0624 0624:46	KDR	ah manta kennedy manual handoff egyptair nine ninety
0624:57	R66	doesn't anybody know over at the tower that they've got to put these flight plans back in
0625:01	KDR	it's just disgusting
0625:04	R66	uh let me see if they put anything in i may be just didn't get the paper hang on i see him coming just keep him coming
0625:10	KDR	wilco
0625:11	R66	uh lets see you can go to twenty three with him too
0625:13	KDR	twenty three
0625:14	R66	yeah and let me see if theres anything in here of course not uh and i don't have all his routing either oh that's wonderful
0625:23	KDR	ah shipp linnd lacks dovey
0625:26	R66	nat z
0625:27	KDR	natz nat z
0625:28	R66	santiago s t e
0625:29	KDR	santiago yeah

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0625:30	R66	and he's going to cairo
0625:31	KDR	h e c a wherever that is
0625:32	R66	o k that's cairo and what uh code you got him on
0625:34	KDR	seventeen twelve
0625:35	R66	o k let me start a track track pick this new equipment i don't even know how to do this stuff enter there he is o k interim two three oh do you know what he wants as a final
0625:52	KDR	i got thirty three thousand
0625:53	R66	o k uh he's radar contact and uh yeah just go to twenty three with him
0626:01	KDR	all right wilco d g
0626:02	R66	thanks
0626:35	MSR990	new york egyptair nine nine zero heavy good evening
0626:40	R66	egyptair nine nine zero go
0626:43	Unknown	(unintelligible)
0626:45	R66	egyptair nine nine zero go ahead
0626:48	MSR990	uh approaching three seven up to flight level two three zero

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0626:53 0627 0628 0629	R66	roger	
0629:54	R66	egyptair nine ninety say the altitude leaving	
0629:58	MSR990	uh leaving approaching one niner zero up two three zero	
0630:05	R66	egyptair nine ninety roger	
0631:05	LRC661	uh new york departure good morning lacsa six six one out of five thousand four hundred for one three thousand flying direct wavey	
0631:12	R66	lacsa six six one climb to flight level two three zero	
0631:15	LRC661	up to two three zero for lacsa six six one	
0631:26	R66	egyptair nine ninety new york one three two point one five	
0631:29	MSR990	three two one five bye	
0631:51	R66	kennedy manta ninety four	
0631:56	KDR	yeah	
0631:57	R66	you got anymore surprises after this lacsa coming off or is he the last one	
0632:01	KDR	um he's the last proposal i got that goes out that way	

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0632:05	LRC661	lacsa six six one ah we're going to go ah if we can direct dixon
0632:08	R66	(unintelligible) didn't just let one guy
0632:10	KDR	uh it's the last ticket i've got on anybody
0632:13	R66	yeah cause nobody typed in the egyptair but they did type in the lacsa
0632:15	KDR	yeah
0632:16	R66	o k i just wanted to make sure there wasn't anybody else so i didn't have to throw out the strips and then not find them
0632:18	KDR	well just because you don't have a ticket on anybody doesn't mean there's nobody else but that's all you know that's the best information i've got now
0632:23	R66	yeah if you don't have a ticket and its not in the machine i don't have a ticket either so we're both gonna be in the dark
0632:27	KDR	well there ya go
0632:28	R66	o k thanks
0632:30	KDR	d g
0632:31	R66	aircraft calling say it again
0632:33	LRC661	lacsa six six one whenever it's possible direct dixon

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0632:35	R66	lacsa six six one i'll have a turn for you shortly
0632:38 0633	LRC661	thank you
0634 0634:04	R66	sea isle ninety nine manta uh direct to dixon o k
0634:09	SIE	sure direct dixon at flight level three one zero's approved lacsa air six sixty one
0634:13	R66	show it
0634:14	SIE	fe
0634:17	R66	lacsa six sixty one climb maintain flight level three one zero
0634:20	LRC661	up to three one zezro for lacsa six six one
0634:24	R66	lacsa six six one direct dixon
0634:26	LRC661	and direct dixon thank you lacsa six six one
0634:29	R66	egyptair nine ninety new york
0634:58	LRC661	and kennedy lacsa six six one any chance for three five zero for lacsa six sixty one
0635:02	R66	lacsa six six one contact washington one three three one two and you can make your request to them
0635:07	LRC661	one three three one two you have a nice night

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0636 0637		lacsa six six one
0638 0638:45	SIE	camrn sea isle ninety nine line
0639:07	SIE	camrn sea isle ninety nine

End of Transcript



Memorandum

November 4, 1999

Subject:

INFORMATION: Full Transcript; Aircraft

Accident; MSR990; 60 NM SSE Nantucket,

MA; October 31, 1999, 0653 UTC

From:

New York ARTCC

Reply to Attn. of:

To: Aircraft Accident File ZNY-ARTCC-143

This transcription covers the New York ARTCC Atlantic radar position for the time period from October 31, 1999, 0626 UTC to October 31, 1999, 0752 UTC.

Agencies Making Transmissions	<u>Abbreviations</u>
New York Center, Kraft Sector	D89
New York Center, Atlantic Sector	R86
Egypt Air Airlines Flight 990	MSR990
Washington Center, Sea Isle Sector	SIE
ARISE57 Flight, USN	ARISE57
Aeronautical Radio, Inc.	ARINC
Boston Center, Cape Sector	B18
Lufthansa Airlines Flight 499	DLH499
USAF Huntress 24th Air Defense Squadron	Huntress
New York Center Atlantic Sector Assistant	R86A
Air France Airlines Flight 439	AFR439
Agent Unknown	Unknown

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving MSR990:

Suzanne F. Manaseri Training Data Analyst

New York ARTCC

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0626 0627 0628 0629 0630 0631	D89	six eight nine
0631:30	R86	yo
0631:32	D89	arise five seven champ
0631:40	MSR990	new york center egyptair niner niner zero heavy good evening approaching two two zero up two three zero
0631:45	R86	egyptair niner niner zero new york center roger
0631:51	R86	now what call sign am i looking for
0631:54	D89	arise stand and rise
0631:55	R86	no i
0631:57	D89	five seven
0631:58	R86	don't have it
0631:59	R86	i don't have it that's that guy going to sea isle right
0632:00	D89	уер

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0632:09	D89	there's a printer over there	
0632:11	R86	i'm sorry	
0632:12	D89	what's the printer over there	
0632:14	R86	my printer	
0632:15	D89	yeah	
0632:17	R86	what the eighty six printer	
0632:20	D89	how do i send it a something to you	
0632:21	R86	um send it to ah seventy one	
0632:23	D89	zero two five space champ zero one invalid field record come on man it's on its way	
0632:41	R86	okay	
0632:42	D89	i'll walk over	
0632:43 0633 0634 0635	R86	okay	
0635:52	R86	egyptair nine ninety climb and maintain flight level three three zero cleared direct dovey	

0635:58

MSR990

three three zero direct dovey egyptair nine nine zero

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	0637 0638 0638:45 0639	SIE	camrn sea isle ninety nine line
	0639:05 0640	SIE	camrn sea isle ninety nine
•	0641 0641:50	R86	egyptair nine ninety i have your oceanic when you're ready
	0641:56	MSR990	go ahead nine nine zero
	0641:59	R86	egyptair nine ninety you're cleared to hotel echo charlie alpha via after dovey nat track zulu santiago maintain flight level three three zero maintain mach point eight zero
	0642:12	MSR990	egyptair nine nine zero cleared to cairo zulu track zulu santiago three three zero eight zero mach track message identification three zero four
	0642:24 0643 0644 0645 0646 0647	R86	egyptair nine ninety readback correct
	0647:18	R86	egyptair nine ninety change to my frequency one two five point niner two
	0647:23	MSR990	one two five nine two good day
	0647:39	MSR990	(unintelligble) nine nine zero heavy good morning
	0647:45	R86	egyptair nine ninety roger

ZNY-ARTCC-143 MSR990 Page 5 of 22 0648 0649 0650 0650:45 SIE atlantic sea isle ninety nine line **R86** atlantic 0650:48 SIE 0650:50 yes good morning point out for you to the east of manta code of two four zero three is a heavy seven forty seven direct nantucket flight level tree tree zero 0650:57 **R86** approved 0650:58 SIE thanks m p 0650:59 **R86** alph zulu 0651 0652 0653 0653:28 ARISE57 new york new york arise five seven 0653:34 **R86** arise five seven go ahead 0653:38 ARISE57 new york arise five 0653:44 **R86** arise five seven squawk one six two five 0653:48 ARISE57 (unintelligible) two four zero checking in 0653:55 **R86** arise five seven squawk one six two five

squawk one six two five for arise five seven

0653:59

ARISE57

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. ago o o		· ·
0654:00	R86	egyptair nine ninety radar contact lost recycles transponder squawk one seven one two
0654:15	R86	arise five seven new york center radar contact
0654:17	ARISE57	arise five seven roger
0654:19	R86	egyptair nine ninety new york center
0654:42	R86	egyptair nine ninety new york center
0655:00	R86	egyptair nine ninety if you copy new york center squawk one seven one two and ident
0656 0656:08	R86	egyptair nine niner zero new york center
0656:37	ARINC	arinc
0656:40	R86	arinc it's atlantic sector did a egyptair nine ninety check on with you approaching dovey
0656:45	ARINC	which flight is that i'm sorry
0656:47	R86	ah egyptair nine nine zero
0656:50	ARINC	golf yankee nine nine
0656:51	R86	no ah its mike sierra romeo
0656:53	ARINC	mike sierra romeo nine nine zero zero

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0656:55	R86	nine nine zero
0656:57	ARINC	nine nine zero ah let me just check here i don't see anything in the computer on the flight
0657:06	R86	ah do me a favor just um try calling the aircraft
0657:07	ARINC	try calling the aircraft
0657:08	R86	yeah try
0657:09	ARINC	you say he's in the dovey area
0657:10	R86	he's approaching dovey yes
0657:12	ARINC	okay we'll call
0657:14	R86	all right thanks alpha zulu
0657:49 0658	R86	egyptair niner niner zero this is new york center on guard contact new york center on one two five point niner two and squawk one seven one two
0659 0659:38	R86	egpytair niner niner zero new york center
0700:45 0701 0702 0703 0704	R86	egyptair niner niner zero this is new york center on guard contact new york center on frequency one two five point niner two
0704:46	R86	cape joboc thirty nine line

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0704:47	B18	cape
0704:49	R86	ah you working a lufthansa four ninety nine
0704:50	B18	yes
0704:52	R86	um could you do me a favor
0704:53	B18	yeah
0704:54	R86	i lost contacts i lost contact with the boeing seven six seven in my airspace
0704:56	B18	the ah egyptair
0704:59	R86	yeah i mean we lost radar we lost everything
0705:03	B18	right i have him ah monitoring one twenty one five right now
0705:04	R86	who the lufthansa
0705:06	B18	yeah
0705:08	R86	ah could you ask the lufthansa to ah to um could you possibly switch to my frequency for a minute and i'll i'll have him try calling the ah egyptair
0705:10	B18	sure what do you want twenty five ninety two
0705:15	R86	yes

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0705:16	B18	okay i thought i saw like i said it it seemed more like it was ah maybe ten or fifteen minutes ago on the
0705:20	R86	hmm
0705:23	B18	seventeen twelve code that i saw him in whiskey one oh two
0705:25	R86	right
0705:27	B18	pretty much right right in the middle
0705:29	R86	i mean no primary nothing
0705:30	-R86	so yeah could you just switch lufthansa over and and ah ah maybe just ask him i could i could ask him
0705:32	B18	yeah send him back when you're done
0705:35	R86	all right thank you alpha zulu
0705:55	DLH499	new york center lufthansa four ninety nine heavy is uh one two nine uh one two five nine two
0706:02	R86	lufthansa four ninety nine new york center i could use your assistance could you try calling a egyptair niner niner zero on this frequency and see if he's ah checks on
0706:13	DLH499	okay standby egyptair niner niner zero this is lufthansa four ninety nine do you read

ZNY-ARTCC-143 MSR990 Page 10 of 22 **DLH499** 0706:30 egyptair niner niner zero this lufthansa four ninety nine do you read 0706:43 **DHL499** i am sorry there is no reply new york and at one two one five we have no e I t 0706:51 **R86** lufthansa four ninety nine i want to thank you for your assistance you can return to boston center now 0706:58 **DHL499** (unintelligible) 0707 0708 0709 0709:05 arise five seven cross four zero miles **R86** southeast of sea isle at one six thousand atlantic city altimeter three zero three niner 0709:12 ARISE57 ok cross forty southeast east sea isle at one six thousand three zero three nine for arise five seven 0709:14 SIE camrn sea isle ninety nine one handoff (unintelligible) heavy 0709:19 **R86** arise five seven roger 0709:40 ARISE57 arise five seven we're starting down now for one six thousand 0709:43 **R86** arise five seven roger 0710 0711 0712

arise five seven you can contact washington center

one two seven point seven

0713 0714 0714:08

R86

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rage II of EE		
0714:13	ARISE57	twenty seven seven for arise five seven good night
0714:34	Huntress	new york this is huntress
0714:39	R86	atlantic
0714:41	Huntress	yeah did you just call us
0714:46	R86A	yeah huntress i did ah did you try to find that guy over dovey for us one seven one two code you know where dovey is first off
0714:55	Huntress	say again one seven what
0714:57	R86A	one seven one two over dovey should be just maybe a little east of dovey now
0715:04	Huntress	copy standby
0715:07	R86A	he's eastbound should be at thirty three thousand
0715:55	Huntress	new york huntress
0715:56	R86A	yeah
0715:57	Huntress	negative i can't find him
0715:59	SIE	yeah atlantic sea isle ninety nine
0716:08	R86A	okay do you have a line to canada east
0716:03	Huntress	yes i do

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	0716:04	R86A	could you ask them to take a look for him maybe if s guy veered off course or something
	0716:06	Huntress	all right
	0716:08	R86A	cause we we dropped him into a coast tracking and can't find him either
	0716:10	Huntress	okay what's the ah call sign
	0716:12	R86A	egyptair nine ninety and to the best of my knowledge he was on a seventeen twelve code
	0716:17	SIE	atlantic sea isle ninety nine
	0716:20	R86	atlantic
	0716:22	SIE	yes pointout one five miles south of manta code of two seven seven heavy seven forty seven flight level three seven zero direct nantucket
	0716:27	R86	pointout approved
	0716:28	SIE	thanks m e
·	0716:29 0717 0718	R86	alpha zulu
	0718:30	Huntress	new york huntress reference egypt nine ninety
	0718:35	ARINC	arinc
	0718:37	R86	arinc atlantic sector any luck on that egyptair
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0718:39	ARINC	uh
0718:42	R86	i have a cell call
0718:44	ARINC	frequency okay go ahead give me the cell call
0718:46	R86	cell call's bravo quebec charlie kilo
0718:49	ARINC	okay we'll try that
0718:51 0719	R86	thanks alpha zulu
0719:15	Huntress	new york huntress i d reference egyptair nine nine zero
0719:19	R86	this is atlantic go ahead
0719:21	Huntress	roger ah can i get a lat long as to the position they're trying to find him at because ah kennedy east has nothing either
0719:30	R86	all right apra he should be passed dovey so the approximate lat long would be ah like four one north and ah six six west
0719:45	Huntress	okay
0719:46	R86	supposed to be at flight level three three zero going eastbound
0719:48	Huntress	alrighty we'll let you know if we find anything
0719:50	R86	great alpha zulu

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0719:52 0720	Huntress	juliette delta
0720:49	Huntress	new york atlantic huntress
0720:54	R86A	atlantic
0720:55	Huntress	roger ah we can't find anything out there we don't see anything and neither does canada
0721:00	R86A	okay we're still looking
0721:03	Huntress	alrighty
0721:04	R86A	all right thanks
0721:05	Huntress	all right bye
0721:07 0722	R86A	awright
0723 0723:51 0724	B18	joboc nantucket
0724:05	R86	calling atlantic
0724:06	B18	ah yeah uh are you um joboc also
0724:08	R86	affirmative
0724:09	B18	any luck with the egyptair
0724:10	R86	no

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0724:11	B18	nothing
0724:13	R86	no right now i'm having arinc try him using the cell call
0724:15	B18	oh okay i was going to say i guess i said when you said it was ten minutes or so i thought it was even a little bit longer than that and i wasn't sure if he just gone through there a little bit earlier than than expected or not
0724:24	R86	no he should have been by dovey um like twelve minutes ago
0724:28	B18	oh okay
0724:32	R86	so actually i'm going to wait a little we we had called um the canadian military they usually see aircraft over sixty west
0724:34	B18	okay
0724:35	R86	cause they said dovey was a little bit out of their range so if he's going along
0724:41	B18	if he's early they should see him now
0724:42	R86	they sh they should see him shortly
0724:44	B18	yeah okay
0724:46	R86	so
0724:47	B18	i was just curious

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ZNY-ARTCC-143 MSR990 Page 16 of 22 **R86** all right thanks alpha zulu 0724:48 0725 0726 0727 0728 0729 0730 0731 0731:50 **R86** cape joboc thirty nine line 0731:58 **B18** cape we're still looking for that egyptair 0732:01 **R86** 0732:02 **B18** okay um this is what i'd like you to do ask airfrans four 0732:05 **R86** three nine if he'd be willing to help us out and take a slight reroute to about sixty miles south of nantucket so he could see if he can listen to an elt 0732:14 **B18** okay um have him come up my frequency one twenty five 0732:15 **R86** ninety two what's his normal route of flight where's he going now vitol **B18** ah he's probably going direct to ah rafin 0732:23 0732:29 **R86** where's he going now is he going direct rafin now 0732:31 ah probably yes i haven't i'm not talking to him yet **B18**

okay um if you would switch to my frequency one

twenty five ninety two

0732:33

R86

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0732:45	B18	sure you want me to throw him on a heading first
0732:47	R86	uh tell him to go direct ah four zero two three north six niner two seven west and uh we want him to monitor for an e l t over that position
0732:52	B18	that was ah four zero two three sixty nine west
0732:55	R86	ah six niner two seven west
0732:57	B18	niner two seven okay
0732:59	R86	all right and right
0733:00	B18	and i'll send him right over
0733:01	R86	thank you alph zulu
0734:01	R86	airfrans four thirty nine new york center
0734:14	R86	cape did you switch the airfrans
0734:20	B18	i'm trying to get him to go to those coordinates he's kinda being a little wishy washy about it
0734:24	R86	all right just have him come on my frequency one two five niner two i'll take care of it
0734:26	B18	okay
0734:27	R86	thanks

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/ISR990

0734:50	AFR439	ah new york center airfrans four three niner
0735:03	R86	airfrans four thirty nine new york center i believe boston center apprised you of our situation requesting your assistance in searching for an aircraft
0735:20	R86	airfrans four thirty nine copy
0735:23	AFR439	airfrans (unintelligible) would you speak slowly please
0735:28	R86	airfrans four thirty nine we have a situation where we lost contact with a boeing seven sixty seven requesting your assistance to overfly the area that the aircraft where we lost air contact with the aircraft and if you could monitor for e I t over that area
0735:48	AFR439	new york airfrans four three niner new york center from four three niner
0736:00	R86A	airfrans four three nine go ahead sir
0736:03	AFR439	yes ah could do you know the coordinate of this airplane and ah its registration
0736:10	R86	airfrans four thirty nine proceed from present position direct four zero two six north six niner three five west
0736:24	AFR439	four zero two six north six niner five west airfrans ah four three niner okay
0736:31	R86	and airfrans four three niner the west coordinate was six niner three five west
0736:37	AFR439	i'm sorry six niner three five west airfrans four three niner

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0736:42	R86	airfrans four three niner roger and if you could start to monitor for e I t now advise if positive or negative
0736:51	AFR439	ah airfrans ah four three niner we are monitoring one two one point five and we have no contact for the moment we confirm the heading ah when we turn on ah this position
0737:04 0738	R86	airfrans four three niner thank you
0738:01	R86	airfrans four three niner fly heading one five zero
0738:05 0739 0740 0741 0742	AFR439	one five zero airfrans ah four three niner
0743 0743:15	AFR439	ah new york center airfrans ah four three niner
0743:19	R86	airfrans four thirty nine go ahead
0743:24	AFR439	standby ah airfrans four three niner
0743:38	AFR439	new york center to ah information to join um uh north forty uh point uh twenty six and west uh sixty niner three five we have to turn right heading ah two four zero
0743:54	R86	airfrans four thirty nine you can just remain on this heading we're just trying to see if uh you can either see anything or if you can if if there's anything yet for an ell t what are your sky conditions right now
0744:09	AFR439	ah it's overcast for airfrans four three niner we have uh yes we have um might ah we we see the ground lightly

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0744:20	R86	and it's still negative on the e I t
0744:26	AFR439	negative airfrans four three niner
0744:29	R86	airfrans four thirty nine I want to thank you for your assistance and ah you're recleared present position direct uh vitol november two niner alpha
0744:47	AFR439	we are recleared to rafin uh from four three niner
0744:51	R86	airfrans four thirty nine i tell you what your cleared present position direct dovey and then four five north five zero west
0744:59	AFR439	i copy airfrans four three niner will do with ah no contact for the for the moment outside
0745:05	R86	airfrans four thirty nine thank you very much for your assistance and ah as i said you're cleared present position direct dovey four five north five zero west did you receive your oceanic clearance from boston center
0745:15 0746 0747	AFR439	not for the moment airfrans ah four three niner
0747:43	AFR439	airfrans uh four three niner we remain on your frequency
0747:46	R86	airfrans four thirty nine affirmative uh you'll be in my frequency until you're uh approaching dovey
0747:53 0748 0749	AFR439	four three niner
0749:16	AFR439	ah new york airfrans ah four four three niner would you confirm we have to proceed direct to dovey

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Page 21 01 22		
		because uh our flight plan route was ah rafin then uh four five north five zero west airfrans uh four three nine
0749:39	R86	airfrans four three nine i have your new oceanic clearance when you're ready to copy
0749:46	AFR439	we are ready to copy go ahead
0749:49	R86	airfrans four thirty nine cleared to paris de gualle via present position direct dovey four two north six zero west four five north five zero west four six north four zero west four eight north three zero west five zero north two zero west five one north one five west upper november five one four giper airways destination maintain flight level three seven zero and say mach number
0750:33	AFR439	airfrans uh four three nine we are cleared destination via ducky four two north six zero west four five north five zero west four six north four zero west um standby one four eight north three zero west five zero north two zero west five one north one five west ah uniform november five one four and giper we have to maintain three seven zero and mach decimal eight five airfrans uh ah did you a copy airfrans four three nine
0751:23	R86	airfrans four thirty nine the first intersection would be dovey intersection delta oscar victor echo yankee
0751:37	AFR439	get ah dovey alta delta alpha echo victor yankee and um then ah four two north six zero west for airfrans four three nine
0751:49	R86	airfrans four three nine roger and the ah correct spelling of dovey would be delta oscar victor echo yankee

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0752:02	AFR439	okay victor oscar echo delta oscar victor echo yankee then ah four two north six zero west airfrans uh four three nine
0752:16	R86	airfrans four three nine roger read back correct
0752:19	AFR439	thank you
0752:29	Unknown	i have a couple of estimates for you

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End of Transcript