

8-3 中波・長波放送から短波放送への移行計画および広報計画

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先方実施機関の MRTV は、本プロジェクトの実施に伴い、現在のラジオ放送のベースとなっている中波・長波から短波へ段階的に移行させる計画を明らかにしている。その計画日程(暫定案)は次ページに示すとおりである。本プロジェクトにおいて 3 ヵ所の送信所に短波送信システムが設置される時期を 2003 年の後半と見込み、2003 年から 2006 年頃までを移行期間と考えている。ただし、短波放送によるサービスエリアは電離層の影響を強く受けて変動するため、短波による可聴レベルが低下するような時期には、長波で対応できるように長波送信設備を継続的に維持管理する方針を持っている。

MRTV は、この移行計画の策定に加え、聴取者に対する広報活動も積極的に行う計画であるとし、暫定的ながら、その内容としては次々ページに示す活動をあげている。

Approved by :



T. Gantumur. Director RTVTC of Transmission System

Transition plan of existing Mongolian radio broadcasting network to shortwave wave broadcasting network.

Nov. 2001 year

№	Station Name	Type of the transmitter		LW, MW, SW	National radio broadcastig program №1 (per day 17 hour)				National radio broadcastig program №2 (per day 11 hour)			
					2003 year	2004 year	2005 year	2006 year	2003 year	2004 year	2005 year	2006 year
1	Ulaanbaatar	TLW-500	LW	████████████████████								
			TSW	100 50	SW					████████████████████		
2	Altai	TLW-75x2	LW	████████████████████								
			TSW-10x2	SW		████████████████████						
3	Murun	TMW-75x2	LW	████████████████████								
			TSW-10x2	SW		████████████████████						
4	Dalanzadgad	TLW-75x2	LW	████████████████████								
5	Choibalsan	TLW-75x2	LW	████████████████████								
6	Ulgii	TLW-60	LW	████████████████████								
7	Sainshand	TSW-12	SW	████████████████████								

Remark: ██████████ This line means broadcast station



PROPOSED PLAN FOR ANNOUNCEMENT DURING
JAPANESE GRANT AID PROJECT ON IMPROVEMENT OF THE
SHORTWAVE RADIO BROADCASTING NETWORK IN MONGOLIA

28 November, 2001

No	Type of media	Description	Person Responsible	Explanation
1	National Television	Broadcast program about the Project importance and interview with Japanese & Mongolian specialists on each occasion	Ts. Enkhbat	
2		A 30 second publicity spot about the Project Twice a week	Ts. Enkhbat	
3	National Radio	Broadcast program about the Project importance and interview with Japanese & Mongolian specialists on each occasion	B. Purevdash	
4		A 30 second publicity spot about the Project and the frequency on which people can listen/ three times a week	B. Purevdash	
5		Distance training about the transition to Shortwave Radio broadcasts	B. Purevdash	
6	Press	Announcement in national & local press once every 2 months	B. Purevdash	
7		Publication of an informational calendar	T. Gantumur	
8	Public notices	Placing notices in public transport, aimag and soum noticeboards.	B. Ganbaatar	
9	Radio retail outlets	Information included with radio receivers when sold	O. Gankhuu	

*Plan will be implemented after Note changing between Governments.




8-4 プロジェクト実施による効果の算定

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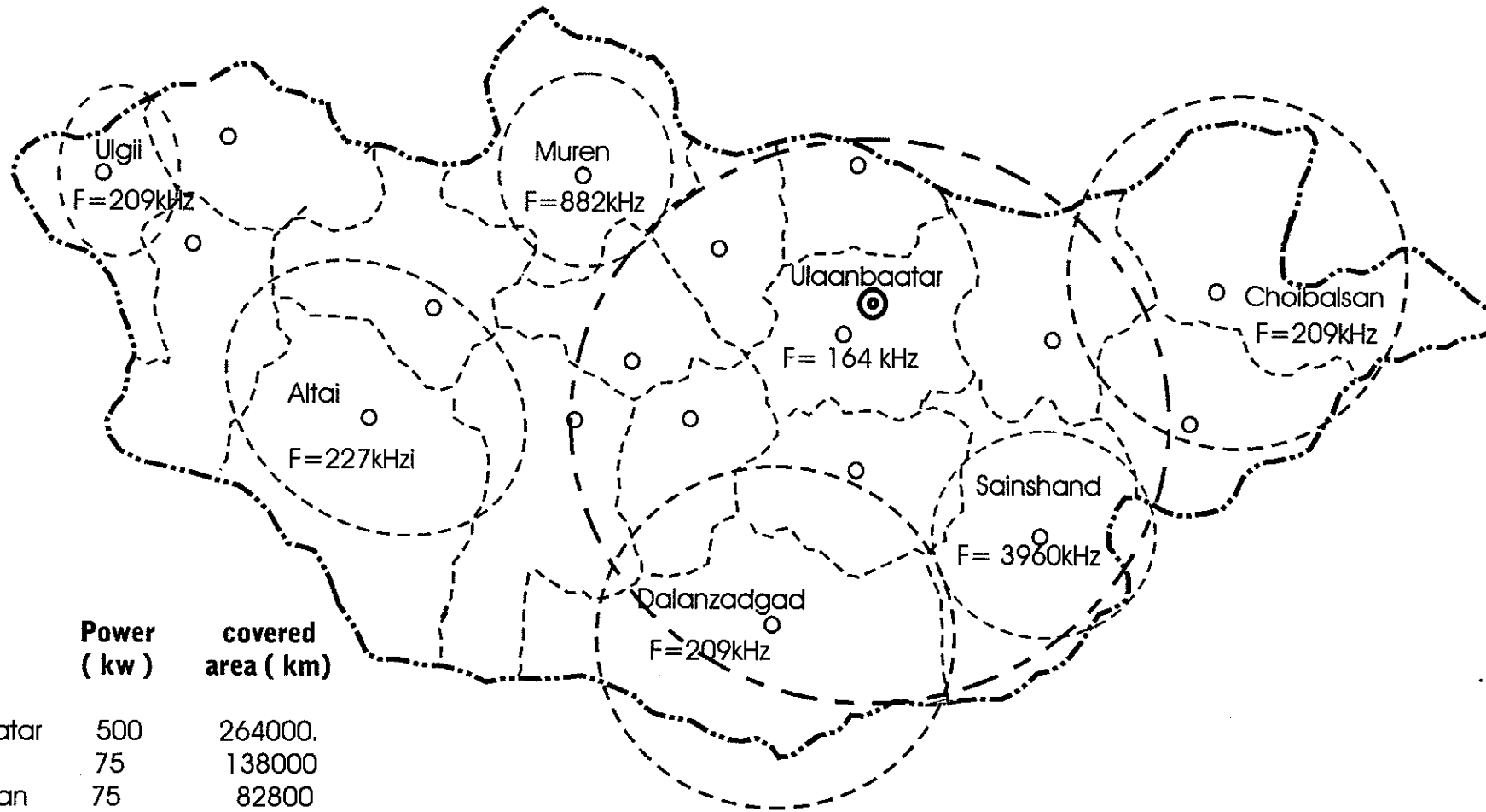
MRTV は、本プロジェクトの実施に伴い、次ページに示されている 2001 年 7 月現在のサービスエリア(MRTV 作成)が基本設計図 C-11 SW Transmission Service Area Plan 中のサービスエリアに拡大し、全国土面積比で約 93%、全人口比で約 94%の住民がラジオ放送を受信できると算定している。MRTV は、2001 年 7 月現在のサービスエリアでは、全国土面積比で 47%、全人口比で 65%程度の住民しか可聴できないと推定している。したがって、本プロジェクトの実施によって、面積比で 46 ポイント、人口比で 29 ポイントの改善効果が生まれることになる。

「8-3 中波・長波放送から短波放送への移行計画および広報計画」で述べたとおり、MRTV は、本プロジェクトの実施に伴って既存の中波・長波送信設備を段階的に停止する計画を持っている。ただし、短波による可聴レベルが低下するような時期には、長波で対応できるように長波送信設備を継続的に維持管理する方針である。

MRTV は、この移行計画が実行に移された場合、2002 年に想定されている電気代 570 百万 Tg が、一時的に若干増加するものの徐々に減少し、2006 年以降は 366 百万 Tg 程度に低下すると算定している。この差額は 204 百万 Tg であり、2002 年の想定額 570 百万 Tg の 36%に相当する。これが本プロジェクトの実施に伴う電気代節減額と考えられる。この電気代は、第 1 放送(チャンネル-1)を行うための送信設備の運用に要する電気代であり、第 2 放送や海外放送に要する電気代は除外してある。

本プロジェクトの実施に伴うサービスエリアの増加、聴取者数の増加、および電気代節減額の算定内容については次ページ以降に示す。

Pic 1. COVERAGE AREA.
MONGOLIAN NATIONAL RADIO



Location	Power (kw)	covered area (km)
Ulaanbaatar	500	264000.
Altai	75	138000
Чойбалсан	75	82800
Muren	75	60000
Ulgii	30	33600
Dаланзадгад	75	120000
Sainshand	12	32000

TOTAL

730400

現状 (2001年7月現在) のサービスエリア

The coverage area to Shortwave propagation in Mongolia

ITEM	Territory, (thous. Km ²)	Resident population, (thous.persons)
Major specifications; by aimags and capital of Mongolia	1564.1	2407.5
Bayan-Olgii (output coverage area approx. 90%)	41.1	85.14
Uvs (output coverage area approx. 50%)	37.00	43.4
Dornod (output coverage area approx. 30%)	37.08	22.26
Bayan-Olgii + Uvs + Dornod (all output coverage areas)	115.18	150.8
The total coverage area	1448.92 and 92.63%	2256.7 and 93.73%

*NOTE: THE ANTICIPATED COVERAGE AREA 100%
FOR ALL AIMAGS AND CAPITAL WITH THE
EXCEPTIONS MENTIONED HEREUNDER;
(BAYAN-OLGII, UVS OR DORNOD)*

ESTIMATED COSTS OF TRANSMITTING BY NATIONAL
RADIO AFTER IMPLEMENTATION OF THE JAPANESE
GRANT AID PROJECT

\ million Tugrug\

	Expenses	2002	2003	2004	2005	2006
1	Total	856,2	874,,2	868,2	724,2	652,7
2	Energy	570,0	588,0	582,0	438,0,	366,0
3	Growth \+\ Fall \-\ comparatively to 2002	-	+18,0	-6,0 +12,0	132,0	-204,0

8-5 MRTV ラジオ第1放送番組表

Channel-1 Radio Program (Monday)

Hour	Min.	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	
6		begin	week of Mongolia (repeat)		program	Buddha religion	music and entertainment program					advt.		
7		week of Mongolia		good morning		economy		weather forecast	Nomin agreement	music		ELBA agreement (payment program)		
8		8:11 program			music			foreign information		Nomads program		music		
9		news		justice / political			science			justice's time		advt.		
10		news		education			music	trans- portation	journalist's find people's fate			advt.		
11		8:11 program (repeat)			concert hall					weather forecast	advt.			
12		news		program	Buddha religion					world time (repeat)		advt.		
13		news		for your midday entertainment						land and sky				
14		news		pre-ordered program				classical music fund				advt.		
15		news		weather forecast	poetry		country side's wave			Nomads program (repeat)				
16		foreign news		distance education project				concert hall (repeat)				music		
17		foreign news		answer to letters		Seoul's time						advt.		
18		news		program	foreign musical program			music	land and sky				advt.	
19		news		Mongolian insurance agreement		evening tale		education		music	advt.			
20		news		for your agreement: literature				program from Moscow						
21		news		introducing program		economy		weather forecast	poetry		music		advt.	
22		speed news agency			ELBA report (repeat)		music		literature		music		end	

Channel-1 Radio Program (Tuesday)

Hour \ Min.	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	
6	begin	news		program	Buddha religion	music			teenager's program		advt.		
7	foreign news		good morning		Nomads program		weather forecast	out home	desert business information agreement				
8	8:11 program			music	justice's time		foreign information		distance education project				
9	news		journalist's find people's fate			health development			trans- portation	advt.			
10	news		music		sport program		musical picture		blue sky		advt.		
11	8:11 program (repeat)			concert hall						program		advt.	
12	news		information: feature entertainment program								introducing program	advt.	
13	news		for your midday entertainment						justice and political program				
14	news		pre-ordered program				classical music fund				advt.		
15	news		weather forecast	great art		music			Nomads program				
16	foreign news		music trip			Nomads program		education agreement					
17	foreign news		music		Seoul's time						advt.		
18	news		program information	decision agreement		karaoke song			teenager's program		advt.		
19	news		health development (repeat)			post box			evening tale		advt.		
20	news		parliament's activity				program from Moscow						
21	news		introducing program	desert business				great art (repeat)		echo of sport		advt.	
22	speed news agency			music			family manufacture nature protection			music		end	

Channel-1 Radio Program (Wednesday)

Min. Hour	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	
6	begin	news		music		Buddha religion	music	program information	music			advt.	
7	news		good morning		Nomin agreement		weather forecast	out home	music agreement		ELBA report		
8	8:11 program			music	Nomads program		foreign information		echo of sport		music picture		
9	news	justice and political program			music		religion program				advt.		
10	news	music	red line				Mongolian bank agreement		Ecology agreement		advt.		
11	8:11 program (repeat)			concert hall						weather forecast	advt.		
12	news	information: feature entertainment program (repeat)									program information	advt.	
13	news	music			market and energy		new song program				advt.		
14	news	economic (repeat)				livestock (repeat)				advt.			
15	news	weather forecast	great art		national song fund					music			
16	foreign news	red line (repeat)			various themes		music	feature: creative workers					
17	foreign news	pre-ordered program				music	society abnormal process: current time youth				advt.		
18	news	program	music	Youth Team program			sing and song				advt.		
19	news	education				literature		evening tale		advt.			
20	news	parliament's activity				program from Moscow							
21	news	introducing program		Nomads program (repeat)		weather forecast	great art (repeat)		echo of sport (repeat)		advt.		
22	speed news agency			ELBA (repeat)		music	economy (repeat)				music	end	

Channel-1 and Blue Sky Radio Program (Thursday)

Min. Hour	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
6	begin	news	program information	Buddha religion	music			national song			adv.	
7	foreign news	good morning		land and sky	weather forecast	out of home	Mongol insurance agreement		music			
8	8:11 program		music	answer to letter	foreign information		Nomads program			song and feature		
9	news	sport program		blue sky	distant education project				adv.			
10	news	music	music in the life				government property committee		adv.			
11	8:11 program (repeat)		concert hall						weather forecast	adv.		
12	news	news: feature entertainment program								program information	adv.	
13	news	for your midday entertainment							justice and political			
14	news	in the world of business agreement			music	education			adv.			
15	news	weather forecast	poem and poetry	music			jungle program	Nomads program				
16	foreign news	religion program repeat				Mongol bank agreement		distance education projects				
17	foreign news	pre-ordered program				music				adv.		
18	news	program information	education (repeat)			music				adv.		
19	news	energy administrative department				classic music (repeat)				adv.		
20	news	parliament's activity				program from Moscow						
21	news	program information	land and sky	weather forecast	humor	sport (repeat)		adv.				
22	speed news agency		new song			literature		music		end		

Channel-1 Radio Program (Friday)

Hour \ Min.	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
6	begin	news		jungle program	Buddha religion	music and entertainment program					advt.	
7	foreign news		good morning		Nomin agreement		desert business news agreement				music	
8	8:11 program			program information	music		foreign news	economy		music feature		
9	news		justice / political		15 minutes		around world knowledge club	government property committee		advt.		
10	news		music		sport program		business world (repeat)			advt.		
11	8:11 program (repeat)			concert hall					weather forecast		advt.	
12	news		information feature entertainment program (repeat)							program information	advt.	
13	news		for your midday entertainment					health			advt.	
14	news		tax program			national music fund (repeat)				advt.		
15	news		weather forecast	literature		music		from the countryside		blue sky		
16	foreign news		live stock problem			music		in the parliament				
17	government's information hour											
18	news		program information	society problem for youth			literature		economy		advt.	
19	news		music			income tax and wage		evening tale		advt.		
20	news		parliament activity			program from Moscow						
21	news		program information	desert business news (repeat)				music		sport (repeat)		advt.
22	speed news agency			music			world literature			music		end

Channel-1 Radio Program (Saturday)

Min. Hour	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60
6	begin	news		jungle program	Buddha religion	gold generation			music		advt.	
7	foreign news	nature children animal world		economy		weather forecast	market information	MXET center agreement		music		
8	8:11 program		music			foreign news		society people: people's development				
9	news	sing and song (repeat)				economy and privatization			advt.			
10	news	music		sport program		gold generation			advt.			
11	8:11 program (repeat)		music		Seoul's time				advt.			
12	news	information feature entertainment program								program information	advt.	
13	news	music	world music (repeat)				justice and political		advt.			
14	news	ecology guard (repeat)		music	Seoul's time				advt.			
15	news	weather forecast	religion program			land and sky			advt.			
16	foreign news	livestock stealing problem (repeat)			health		country d'side correspondent					
17	foreign news	pre-ordered program			music travel			advt.				
18	news	program information	rock world			land and sky			advt.			
19	news	humor		music		evening tale		decision		advt.		
20	news	on creative worker			on radio internet			music				
21	news	program information		economy (repeat)		weather forecast	Tenkhleg agreement			advt.		
22	speed news agency		music			literature			music		end	

Channel-1 and Blue Sky Radio Program (Sunday)

Hour \ Min.	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	
6	begin	news	music	program information	Buddha religion	music	music topic (repeat)				advt.		
7	foreign news		market and energy		entertainment and arts			science			advt.		
8	foreign news		finding			radio internet (repeat)					advt.		
9	news	children's hour			music box			literature		advt.			
10	for your entertainment												
11	Tengkleg agreement				sport program			world clock			advt.		
12	news		information artistic entertainment broadcasting							program information	advt.		
13	news		pre-ordered program			music	distance education				advt.		
14	news		map of country		literature		rock and pop			advt.			
15	news		weather forecast	national art			music	gold generation			advt.		
16	news	various current themes						music		advt.			
17	Saran Khekhee radio theater												
18	news	program information	Seoul's time					around the world			advt.		
19	news	religion broadcast				new song			evening tale			advt.	
20	news		cooperative privatization				program from Moscow						
21	program from Moscow					music			program information		advt.		
22	world week		entertainment			Mongolian's week		music			end		