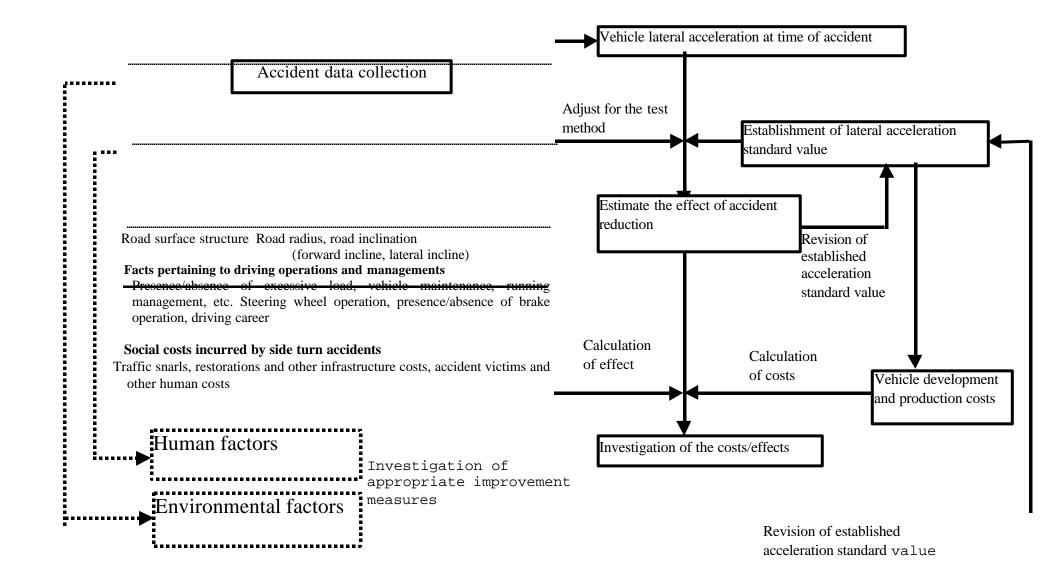
Informal document No. 8 (48th GRRF, 11-13 September 2000, Agenda Item 2)

Method of analysis for Japanese accidents and data

Submitted by Japan

Since it was decided at the special GRRF held in December of 1999 that data on Rollover accidents shall be presented, Japan's outlook and accident data are submitted herein.



Item		Data	1	2	3
	Rollove	r configuration	after passing	left curving	left curving
s t a		speed(km/h)	60	51	40
l ing	Road ra	1	straight		
		of tire marks on road	0		
Facts pertaining to accident conditions		application method			
Fa to to		of tire marks on road			
			U-FE437F	W-CK610BNT	P-FP410DR
to	Vehicle specifica tion	Vehicle model		TF1591	TF1591
ning lent		Rear body configuration			
ertai		Gross weight at time of accident(kg)	2000(loading weight)	9987(loading weight)	13000 (loading weight)
p le in	e ion	Loading position			
Facts pertaining vehicle in accident	Vehicle condition	Height of gravity center at the time of accidents			
to	. C		freezing	wet	dry
3 8	Road surface conditio	Pavement condition and weather	snow	rain	fine
Facts pertaining the road surface	Road surface structure	Road radius			
ac		road forward incline	even	down	down
Facts the ro		tion lateral incline	track		
to and	Presence excessi	ce/absence of ve load	absence	absence	absence
	vehicle	maintenance	no trouble	no toruble	no trouble
Facts pertaining driving operations managements	runnin	g management, etc			
pe ig op		g wheel operation	not good	over speeded	over speeded
Facts drivin manag	operati				
E & E	Driving	career (years)	17	5.3	30.3
incurred idents	Traffic	snarls			
Social costs incurr by rollover accidents	Restora infrastr	ations and other ructure costs			
Social by rollo	Accider human	nt victims and other costs	minor injury 1	serious injury 1	serious injury 1

Item				4	5	6
	Rollover	configura	ation	left curving	left curving	left curving
Facts pertaining to accident conditions	Vehicle s	speed(km	/h)	55	50	40
	Road rac	lius				
s air cci	Radius c	f tire ma	rks on road			
Facts pertai to acc condi	Brake ap	plicatior	n method			
C T P E	Length o	f tire ma	rks on road			
to	icle fica n	Vehicle	model	KC-FP410DR HT2552	KC-SS3VJCA P239D	W-CK620BNT TF1591
ning ent	Vehicle specifica tion	Rear configu	body ration			
pertaining n accident		Gross time of	weight at accident(kg)	20000 (loading weight)	20010 (loading weight)	27000 (loading weight)
le i	e ion		position			
Facts pertaining vehicle in accident	Vehicle condition	Height of gravity center at the time of accidents				
to	O			dry	wet	dry
g g	Road surface conditio	Pavement condition and weather		cloudy	cloudy	fine
Facts pertaining the road surface	Road surface structure	Road radius				
Facts the road		road inclina	forward incline lateral	up	even	down
Fa th		tion	incline			
to and	Presence excessive		e of	absence	presence (max.17750kg)	presence (max.19250kg)
	vehicle n	naintena	nce	no trouble	no trouble	no trouble
pertaining operations ments	running management, etc					
	Steering	•		over speeded	over speeded	not good
Facts pert: driving oper managemen	Presence operation		e of brake			
五 日 日	Driving o	career (ye	ears)	2	7.4	0.2
incurred	Traffic s	narls				
Social costs incurr by rollover accidents	Restorat infrastru		and other sts			
Social by rolle	Accident human o		and other	minor injury 1	serious injury 1 minor injury 1	minor injury 1

Item				7	8	9
g to		r configura		left curving	left curving (passing)	gale
Facts pertaining to accident		speed(km	/h)	60	50	
	Road ra					
		of tire	marks on			
Facts per accident condition	road Brake:	applicatior	method			
act Scic			marks on			
E S S	road					
to	cle fica n	Vehicle m	nodel	KC-SS3VJCA TF28H8C2 conv	KC-CK551BNT CT220D	U-FK516S
ning lent	Vehicle specifica tion	Rear configura	body tion			
pertaining n accident		Gross weight at time of accident(kg)		20000 (loading weight)	17000 (loading weight)	0 (loading weight)
p le in	e ion	Loading p				
Facts pertaining vehicle in accident	Vehicle condition	Height of gravity center at the time of accidents				
to	e io			wet	dry	wet
1g	Road surface conditi	Pavement condition and weather		rainy	fine	cloudy
Facts pertaining the road surface	a)	Road radius				
ts road	Road surface structure	road inclinati	forward incline	up	up	even
Facts the ro		on	lateral incline			
to and		ce/absenc ve load	e of	absence	absence	absence
ing ons	vehicle maintenance			no trouble	no trouble	no trouble
pertaining operations ements	running management, etc					
Facts pertai driving operat managements	Steering wheel o			over speeded		
Facts driving manage	Presen- operati		e of brake			
Fa drj ma		g career (ye	ars)	7	21.5	2.9
incurred cidents	Traffic					
costs turn ac	Restora infrasti	ations a ructure cos	nd other sts			
Social by side	Accide human		and other			

Item				10	11	12
	Rollove	r configura	ation	left curving	left curving	curving
Facts pertaining to accident conditions		speed(km		60	28	carving
	Road ra		., 11)			
			marks on			
oer de ion	road	or the				
S cci		applicatior	n method			
Facts perta to accident conditions			marks on			
張さる	road					
to	a	Vohielo m	nodol	P-FV415JR	P-RR170BA	U-CM88KE
_	Vehicle specifica tion	Vehicle model		TF242-1		
+ 26	ehicl ecifi tion	Rear bo				
Facts pertaining vehicle in accident	V sp	configura				
air cid		Gross v	weight at	30400		2500
ərt		time of accident(kg)		(loading weight)		(loading weight)
p in	ι			· 0 /		
le :	Vehicle condition	Loading p				
Facts vehic	Vehicle conditic	Height of gravity				
Fac	Veł		the time			
		of accide	nts	wet	dry	wet
to	Road surface conditio	D	1.4.	wet	ury	wet
20		Pavement	t condition	rainy	fine	rainy
ing e	Road surfa condi	and weather				
nin fac	н о	r				
Facts pertaining the road surface		Road rad	ius			
pe d s	Road surface structure		l c 1	1		1
s oa		road	forward incline	down	up	down
Facts the ro		inclinati	lateral			
Fa th	Rc su st:	on	incline			
- - -	Presen	ce/absenc		presence	absence	absence
to and	excessi	ve load		(max.30400kg)		
න ය ව	vehicle	maintena	nce	no torouble	no trouble	no trouble
nin ior						
tai) rat ıts	runnin	g manager	nent, etc			
Facts pertainin driving operatior managements	G			over speeded	over speeded	careless
g o gen	Steerin	g wheel op	eration	over specaea	over specaea	carciess
ts /ing nag			e of brake			
Facts driving manage	operati			~ ·		
	Driving	g career (ye	ears)	7.9	0.2	5.5
Social costs incurred by rollover accidents						
	Traffic snarls					
ir cid						
ts ac	Restorations and other infrastructure costs					
os						
O V						
ial 'oll	Accide	nt victims	and other	J41- 1	serious injury 1	J41- 1
90c	human		· - -	death 1	minor injury 16	death 1
- S 4						

Item				13	14	15
70	Rollove	r configura	ation	left curving	right turning	left curving
ing		speed(km	/h)			100
ain t	Road ra					
Facts pertaining to accident conditions		of tire	marks on			
: pe cid itio	road	1:+:	4			
cts ac ndi		application	metnoa marks on			
Fa to co	road	or the	marks on			
to	e ca	Vehicle m	odol	W-CR610BAT	KC-CK551BHT	KC-SS1FJCA
-			louei	ST20SA conv	FKC220A	TF40337
ig It	ehicl pecific tion		body			
pertaining n accident	V SF	configura	tion			
tai			veight at	15000	20000	37030
er 1 ac		time of ac	ccident(kg)	(loading weight)	(loading weight)	(loading weight)
Facts pertaining vehicle in accident	on	Loading p	osition			
ts ick	Vehicle condition	Height o	of gravity			
Facts vehicl	/eh		the time			
	7 0	of accider	nts	dwy	wot	dwy
to	se tio	Davamant	- condition	dry	wet	dry
0.0	Road surface conditio	Pavement condition and weather		cloudy	rainy	fine
nin ce			1101			
Facts pertaining the road surface		D 1 1				
per su	Road surface structure	Road rad	ius			
] oad		road	forward	even	down	down
Facts the ro		inclinati	incline			
Fa		on	lateral incline			
	Presen	ce/absenc		absence	absence	absence
to and	excessi	ve load				
ng ns	vehicle	maintenai	nce	no trouble	no trouble	no trouble
pertainin operation ments	runnin	a managar	nont oto			
Facts pertai driving operat managements	Tummi	g manager	nem, etc			
	Steerin	g wheel op	eration			over speeded
:S ing iago	Presen	ce/absence	e of brake			
Facts driving manage	operati					
<u> </u>	Driving	g career (ye	ars)			
sts ⁄er	Traffic	snarls				
costs						
	Restora	ations o	nd other			
by ,		ructure cos				
al rre den	Accide	nt victims	and other			
Social incurred accidents	human		and other	death 1	death 1	death 1
ă ii S						