		10010 1				
Comparison		Proposed				
Metrics	AODV	AODV-BR	AODV-CF	AODV-BA	Robust AODV	Approach
	[6]	[9]	[10]	[11]	[12]	
Repair	On-demand	Backu	o route	Link break	Backup route	Backup
method	route	pre-establishment		predication	pre-establishment	node
	discovery			and		pre-selection
				on-demand		
				route		
				discovery		
Backup route	N/A (Not	No		N/A	No	Yes
(node)	applicable)					
maintenance						
Fault-tolerant	Dependent	Dependent	on the	Dependent	Dependent on the	Dependent
capability	on the	pre-established backup		on the	pre-established	on the
	network	route		network	backup route	pre-selected
	topology	(Worst case: network		topology	(Worst case:	backup node
		topology)			network	(Worst case: network
					topology)	topology)
Failure-free	No	Dra actablishing the		Predicting	Duplicated	Maintaining
overhead	No Pre-establishing the backup route		the link	request messages	the backup	
ovenicad		Udekuj	Joure	breakage	request messages	node
Fault-tolerant	Discovering	Activating	the	Discovering	Activating the	Activating
overhead	the new	pre-establish		the new	pre-established	the
Svenieud	route	route	ieu buenup	route	backup route	pre-selected
	10000	(Worst case:	discovering	10000	(Worst case:	backup node
		the new	-		discovering the	(Worst case:
					new route)	discovering
					,	the new
						route)

Table 1 AODV Comparisons

Table 2 DSR Comparisons

Comparison		Proposed		
Metrics	DSR [5]	LRR [13]	BSR [14]	Approach
Repair method	Flooding the	Reducing the	Get the	Backup node
_	control	control	reliability	pre-selection
	messages	messages	backup route	-
Backup route (node)	No	No	No	Yes
maintenance				
Fault-tolerant capability	Dependent on the	network topology	Dependent on	Dependent on
	-		the	the pre-selected
			pre-established	backup node
			backup route	(Worst case:
			(Worst case:	network
			network	topology)
			topology)	
Failure-free overhead	N	0	Broadcast all	Maintaining the
			duplicate control	backup node
			messages	
Fault-tolerant overhead	Discovering the	Limit the RREQ	Activating the	Activating the
	new route	request zone to	pre-established	pre-selected
		two hops	backup route	backup node
		(Worst case:	(Worst case:	(Worst case:
		discovering the	discovering the	discovering the
		new route)	new route)	new route)