

Category	ID	Cat.	Technology Name	Transport Mode	Relative Cost					Emissions					Service & bottlenecks				
					% cost saving compared with the baseline	identification of the baseline (reference technology)	% fuel saving compared with the baseline	identification of the baseline (reference technology)	% resources saving compared with the baseline	identification of the baseline (reference technology)	% CO2 saving compared with the baseline	identification of the baseline (reference technology)	% SOx saving compared with the baseline	identification of the baseline (reference technology)	% operational or infrastructural delays reduction	% of frequency of service potential improvement due to delays & bottlenecks reduction	% of reliability improvement due to delays & bottlenecks reduction	Do the tech influence some problems and/or bottlenecks? If YES put the % of mitigation	Identification of problems and/or bottlenecks
Best practices of technologies integration	BP04	A	Traffic Flow Management	Railway	5%	A reduction of the total consumption by about 5% seems to be realistic in the medium future in Switzerland	20%	Focus on high network capacity at lowest energy consumption • Reduced network dimensions (for development) • Real train data • Demonstration software based on MATLAB • Core is a very fast train run simulation for speed and energy consumption versus location / time			5%	Focus on high network capacity at lowest energy consumption • Reduced network dimensions (for development) • Real train data • Demonstration software based on MATLAB • Core is a very fast train run simulation for speed and energy consumption versus location / time			A contribution to operational or infrastructural delays is not foreseen	A contribution to frequency of service potential improvement is not foreseen	A contribution to reliability improvement is not foreseen	No	
	BP07	A	Carbon-free rail freight transport	Railway	16%	DB Schenker Rail UK has outlined plans to introduce carbon free rail freight services for customers using trains hauled by electric locomotives, further improving the environmental credibility of rail freight.	20%	The energy generated by the turbines would be enough to power a 'green fleet' of DB Schenker Rail UK's Class 92 electric locomotives. The electricity would be sold to Network Rail for use in the overhead power cables and in doing so, DB Schenker Rail UK will be able to offer customers 'carbon free' rail freight services in the UK by the end of the year.	20%					A contribution to operational or infrastructural delays is not foreseen	A contribution to frequency of service potential improvement is not foreseen	A contribution to reliability improvement is not foreseen	No		
	BP02	B	TDS	Railway	20%			The basic idea of the train control system (TCS) is to leave the operational principle as it is, but the entire operation gets computer aided support by adding a radio data system for communication between trains and central train controller						A contribution to operational or infrastructural delays is not foreseen	A contribution to frequency of service potential improvement is not foreseen	A contribution to reliability improvement is not foreseen	No		
	BP03	B	GEKKO	Railway	10%	DSB (Danish State Railways) and SNCF (France) have trialled the device	0%	GEKKO is a device that tells drivers if they are running in the correct schedule pathway. A GEKKO server contains all the necessary information about timetables, route and train characteristics. The driver carries a portable PDA device into which he enters the train number. The PDA then requests the timetable and route information from the server	10%		15%	GEKKO is a device that tells drivers if they are running in the correct schedule pathway. A GEKKO server contains all the necessary information about timetables, route and train characteristics. The driver carries a portable PDA device into which he enters the train number. The PDA then requests the timetable and route information from the server			A contribution to operational or infrastructural delays is not foreseen	A contribution to frequency of service potential improvement is not foreseen	A contribution to reliability improvement is not foreseen	No	
	BP08	B	Integrated shortsea transport	Maritime		This is only on a conceptual stage, difficult to determine its impact on greening of corridors. Limited information available.		Short sea shipping/ feeder services											
	BP13	A	EREX (ERESS)	Railway								savings: up to 30% of the energy consumption with a consequent 30% savings in CO2			no application of the Best Practice				