



## COMMONWEALTH *of* VIRGINIA

### ***Information Technology Investment Board***

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James F. McGuirk, II, Chair  
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The Honorable Aneesh Chopra  
Kenneth S. Johnson, Sr.  
Mary Guy Miller, PhD

November 1, 2007

The Honorable Timothy M. Kaine  
Governor of Virginia  
Patrick Henry Building, 3<sup>rd</sup> Floor  
1111 East Broad Street  
Richmond, Virginia 23219

The Honorable John H. Chichester  
Chair, Senate Finance Committee  
General Assembly Building, 10<sup>th</sup> Floor  
Richmond, Virginia 23219

The Honorable Vincent F. Callahan, Jr.  
Chair, House Appropriations Committee  
General Assembly Building, 9<sup>th</sup> Floor  
Richmond, Virginia 23219

Dear Governor Kaine, Senator Chichester, and Delegate Callahan:

As promised in our September 1 Recommended Technology Investment Projects (RTIP) Report, the Commonwealth Information Technology Investment Board (Board) is pleased to submit an update to the report that incorporates additional information received as part of the extended 2007 Commonwealth strategic planning schedule.

During the agency strategic planning process that continued throughout September and October, additional IT projects have surfaced to accommodate newly identified business needs or shifts in Secretariat and agency priorities. These projects were submitted to the Board through agency updates to the Commonwealth Technology Portfolio and scored according to the Board-established selection and ranking criteria. As a result, the Board's recommended technology investment project priorities for 2007 have been updated.

The Honorable Timothy M. Kaine  
The Honorable John H. Chichester  
The Honorable Vincent F. Callahan, Jr.  
November 1, 2007  
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Four additional IT projects have been added to the RTIP priority list. The original rank order of the September 1 Board-approved submission has been maintained while inserting the four new projects in the ranking according to their score. The Adventure Classroom project, originally approved for planning as a major project, has been reclassified as a non-major project. As a result, the total portfolio value for projects approved for planning is now \$343,715,413, an increase of \$8,430,224 from the required funding value submitted on September 1. In addition, two active projects recommended on September 1 for continued funding have now completed, reducing the continued funding required to support active projects to \$484,842,802.

The Board believes this update to the RTIP project priorities aligns with agency strategic requirements and will provide the Governor and General Assembly appropriate information for development of the 2008-2010 biennium budget.

Sincerely,



James F. McGuirk, II  
Chair  
Information Technology Investment Board

Enclosure

c: The Honorable Wayne M. Turnage  
Cabinet Secretaries  
Members of the Commonwealth IT Investment Board  
Lemuel C. Stewart, Jr.

### Appendix A - Updated 2007 Major IT Projects Recommended for Funding

Nov CIO Rank	Secretariat	Agency	Project Title	Planned Start	Planned End	Total Project Cost (Estimate at Completion)	Actual Cost Through 8/31/07 (Active Proj. Only)	Enterprise or Statewide Application	Mandatory	FY06 RTIP
<b>Recommended for Funding (Approved for Planning)</b>										
1	Natural Resources	DEQ	Document Management Implementation	FY08	FY10	\$1,577,929	N/A	Yes	No	Yes
2	Health & Human Resources	SHHR	No Wrong Door Initiative	FY08	FY10	\$2,708,058	N/A	Yes	No	No
3	Health & Human Resources	VDH	Electronic Health Record - Pilot	FY08	FY09	\$720,000	N/A	Yes	No	Yes
4	Health & Human Resources	DMHMR	Clinical Apps/EMR	FY09	FY12	\$9,832,560	N/A	Yes	No	Yes
5	Transportation	DMV	On-Demand Registration Card/ Validation Sticker Program	FY08	FY09	\$3,750,000	N/A	Yes	No	No
6	Finance	SFIN	Implementation of the Enterprise Applications Master Services Agreement (Phase 1)	FY08	FY11	\$111,000,000	N/A	Yes	No	Yes
7	Health & Human Resources	VDH	EMS Registry	FY08	FY09	\$1,410,520	N/A	Yes	Yes	No
8	Technology	VITA	Next Generation E-911	FY08	FY10	\$5,000,000	N/A	Yes	No	Yes
9	Health & Human Resources	VDH	Virginia Immunization Information System	FY08	FY10	\$5,318,345	N/A	Yes	Yes	No
10	Commerce and Trade	VEC	Unemployment Insurance	FY08	FY10	\$45,000,000	N/A	Yes	No	Yes
11	Transportation	VDOT	Asset Management System - Phase 2	FY08	FY09	\$2,870,000	N/A	Yes	No	No
12	Public Safety	VSP	Central Criminal Repository and Support Systems Improvement	FY08	FY12	\$2,700,000	N/A	Yes	No	Yes
13	Health & Human Resources	DMHMR	Medication Management System	FY08	FY09	\$5,140,000	N/A	No	No	Yes
14	Administration	DGS	Va. Distribution Center Warehousing System Modernization	FY08	FY10	\$500,000	N/A	Yes	No	No
15	Public Safety	VSP	Replacement and Enhancement of the Statewide Incident-Based Reporting System	FY08	FY10	\$1,200,000	N/A	Yes	No	Yes
16	Health & Human Resources	DMAS	HIPAA Upgraded Transactions (5010) and Code Sets (ICD-10)	FY09	FY10	\$4,500,000	N/A	Yes	Yes	No
17	Health & Human Resources	DSS	MAPPER Conversion	FY08	FY11	\$33,730,000	N/A	Yes	No	No
18	Transportation	VDOT	Pavement Management System	FY08	FY09	\$2,150,000	N/A	Yes	No	No
19	Public Safety	VSP	Virginia Intelligence Management System (VIMS)	FY08	FY14	\$15,200,000	N/A	Yes	No	Yes
20	Transportation	VDOT	VaTraffic	FY08	FY09	\$2,000,000	N/A	Yes	No	No
21	Public Safety	ABC	POS Replacement	FY08	FY10	\$12,000,000	N/A	Yes	Yes	No
22	Public Safety	VSP	Automation of Motor Vehicle Inspection Program	FY08	FY11	\$3,500,000	N/A	Yes	No	No
23	Public Safety	VSP	Replacement and Enhancement of the Central Criminal History (CCH) Application	FY08	FY14	\$6,500,000	N/A	Yes	No	Yes
24	Health & Human Resources	VDH	Electronic Death Registration (EDR)	FY09	FY10	\$1,530,000	N/A	Yes	Yes	No
25	Transportation	DMV	Integrated Systems Redesign	FY08	FY12	\$32,600,000	N/A	Yes	No	Yes
26	Health & Human Resources	DSS	Automated Child Care Subsidy Payment System	FY08	FY10	\$4,401,650	N/A	Yes	No	No
27	Education	VSU	New Engineering Building Technology	FY08	FY08	\$953,800	N/A	No	No	Yes
28	Education	VCCS	New Human Resources Information System (HRIS)	FY08	FY09	\$6,468,280	N/A	No	No	Yes
29	Transportation	DMV	Customer Management Queuing System	FY08	FY08	\$2,500,000	N/A	No	No	No
30	Health & Human Resources	DMAS	Fiscal Agent Competitive Re-Bid	FY08	FY11	\$9,155,000	N/A	No	Yes	No
31	Education	RU	Voice Over Internet Protocol (VoIP) Telephone System Project	FY08	FY09	\$1,224,531	N/A	No	No	Yes
32	Education	CNU	Relocation of CNU's Center for IT Services	FY08	FY09	\$3,000,000	N/A	No	No	No
33	Education	JMU	University Advancement System (UAS) Project	FY08	FY10	\$3,074,740	N/A	No	No	No
34	Administration	SBE	Campaign Finance Management System	FY09	FY09	\$500,000	N/A	Yes	No	Yes
<b>Number = 34</b>						<b>\$343,715,413</b>				

### Appendix A - Updated 2007 Major IT Projects Recommended for Funding

Recommended for Continued Funding (Active Projects)									
Not Ranked	Administration	DGS	Real Estate Portfolio Management	FY07	FY08	\$854,948	\$39,700		Yes
Not Ranked	Agriculture & Forestry	DOF	Integrated Forest Resources Information System – Forest Protection & Mobile Computing	FY06	FY07	\$1,307,633	\$778,875		Yes
Not Ranked	Commerce and Trade	DPOR	Electronic Access to the Government Licensing and Enforcement System(EAGLES)	FY04	FY07	\$1,499,000	\$816,432		Yes
Not Ranked	Commerce and Trade	VEC	Replace VWNIS	FY06	FY08	\$3,567,800	\$1,987,884		Yes
Not Ranked	Education	LU	Purchase and Install Enterprise Resource Program - BLISS	FY05	FY09	\$7,359,421	\$5,530,468		Yes
Not Ranked	Education	RU	Radford University Information System Project	FY07	FY10	\$16,164,286	\$1,885,273		Yes
Not Ranked	Education	VCCS	AIS Administrative Information System	FY06	FY08	\$8,912,835	\$6,076,079		Yes
Not Ranked	Education	VCU	VCU ACES Project: Modernization of Communications Infrastructure	FY05	FY07	\$12,925,700	\$9,836,434		Yes
Not Ranked	Education	VCU	VCU ARIES Project	FY04	FY08	\$11,357,500	\$9,048,043		Yes
Not Ranked	Education	VSU	Re-engineer Core Business Processes	FY04	FY08	\$5,393,925	\$6,037,097		Yes
Not Ranked	Health & Human Resources	DRS	Integrated Case Management (ICM) Project	FY02	FY09	\$4,492,264	\$2,496,338		Yes
Not Ranked	Health & Human Resources	DRS	Integrated Fiscal System	FY07	FY08	\$1,300,000	\$92,000		No
Not Ranked	Public Safety	DOC	Phase 2 and Phase 3 of VirginiaCORIS Program	FY07	FY10	\$17,781,554	\$2,579,337		Yes
Not Ranked	Public Safety	VSP	Central Criminal Image System	FY07	FY09	\$908,207	\$123,241		No
Not Ranked	Public Safety	VSP	Law Enforcement Activity Management System	FY07	FY09	\$3,530,000	\$9,314		Yes
Not Ranked	Public Safety	VSP	Statewide Agencies Radio System	FY99	FY12	\$357,244,677	\$196,521,085		Yes
Not Ranked	Transportation	DMV	Automated Routing Solution – Hauling Permits	FY07	FY09	\$1,467,395	\$14,679		No
Not Ranked	Transportation	DMV	CCC Relocation and Reorganization	FY07	FY08	\$1,513,454	\$1,017,834		No
Not Ranked	Transportation	DMV	TREDS	FY06	FY09	\$5,335,000	\$1,807,108		Yes
Not Ranked	Transportation	VDOT	Electronic Toll Customer Service and and Violation Enforcement System	FY06	FY08	\$12,113,000	\$10,623,179		Yes
Not Ranked	Transportation	VDOT	M5-EMS (aka FEMIS) Equipment Managment System	FY07	FY09	\$2,506,150	\$6,300		Yes
Not Ranked	Transportation	VDOT	Roadway Network Systems	FY04	FY08	\$7,308,053	\$4,177,414		Yes
			<b>Number = 22</b>			<b>\$484,842,802</b>	<b>\$261,504,114</b>		
<b>Recommendation Totals</b>									
			<b>Number = 56</b>			<b>\$828,558,215</b>			

Appendix B - Updated 2007 Major IT Projects Funding and Expenditure Detail

Project Name	Nov CIO Rank	Secretariat	Agency	Enterprise or Statewide Application	Mandatory	Project Cost	Planned Start Date	Planned Completion Date	Approval Status	Funding Source - 2nd Bien-FY08	Total Project Expend - 2nd Bien-FY08	FY08 Funding Status	Funding Source - 1st Bien-FY09	Total Project Expend - 1st Bien-FY09	FY09 Funding Status	Funding Source - 2nd Bien-FY10	Total Project Expend - 2nd Bien-FY10	FY10 Funding Status	Funding Source - 1st Bien-FY11	Total Project Expend - 1st Bien-FY11	Funding Source - 2nd Bien-FY12	Total Project Expend - 2nd Bien-FY12	Funding Source - 1st Bien-FY13	Total Project Expend - 1st Bien-FY13	Funding Source - 2nd Bien-FY14	Total Project Expend - 2nd Bien-FY14
Document Management Implementation	1	Natural Resources	DEQ	Yes	No	1,577,929	FY08	FY10	Approved for Planning	Non-general Funds	722,413	Funded	Non-general Funds	501,503	Funded	Non-general Funds	354,013	Funded	-	-	-	-	-	-	-	-
No Wrong Door Initiative	2	Health & Human Resources	SHHR	Yes	No	2,708,058	FY08	FY10	Approved for Planning	Mixed	902,686	Partially Funded	Mixed	902,686	Partially Funded	Mixed	902,686	Partially Funded	-	-	-	-	-	-	-	-
Electronic Health Record - Pilot	3	Health & Human Resources	VDH	Yes	No	720,000	FY08	FY09	Approved for Planning	General Funds	360,000	Funded	Mixed	360,000	Funded	-	-	-	-	-	-	-	-	-	-	-
Clinical Apps/EMR	4	Health & Human Resources	DMHMR	Yes	No	9,832,560	FY09	FY12	Approved for Planning	-	-	-	General Funds	907,000	Not Funded	General Funds	4,178,186	Not Funded	General Funds	4,260,217	General Funds	487,157	-	-	-	-
On-Demand Registration Card/ Validation Sticker Program	5	Transportation	DMV	Yes	No	3,750,000	FY08	FY09	Approved for Planning	Non-general Funds	3,750,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Implementation of the Enterprise Applications Master Services Agreement (Phase 1)	6	Finance	SFIN	Yes	No	111,000,000	FY08	FY11	Approved for Planning	General Funds	5,500,000	Not Funded	Mixed	40,000,000	Not Funded	Mixed	40,000,000	Not Funded	Mixed	20,000,000	-	-	-	-	-	-
EMS Registry	7	Health & Human Resources	VDH	Yes	Yes	1,410,520	FY08	FY09	Approved for Planning	Non-general Funds	1,214,400	Not Funded	Non-general Funds	196,120	Not Funded	-	-	-	-	-	-	-	-	-	-	-
Next Generation E-911	8	Technology	VITA	Yes	No	5,000,000	FY08	FY10	Approved for Planning	Non-general Funds	2,500,000	Funded	Non-general Funds	2,500,000	Funded	-	-	-	-	-	-	-	-	-	-	-
Virginia Immunization Information System	9	Health & Human Resources	VDH	Yes	Yes	5,318,345	FY08	FY10	Approved for Planning	Non-general Funds	1,364,744	Not Funded	Non-general Funds	2,681,400	Not Funded	Non-general Funds	1,272,201	Not Funded	-	-	-	-	-	-	-	-
Unemployment Insurance	10	Commerce and Trade	VEC	Yes	No	45,000,000	FY08	FY10	Approved for Planning	Non-general Funds	15,000,000	Funded	Non-general Funds	15,000,000	Funded	-	-	-	-	-	-	-	-	-	-	-
Asset Management System - Phase 2	11	Transportation	VDOT	Yes	No	2,870,000	FY08	FY09	Approved for Planning	Non-general Funds	1,435,000	Not Funded	Non-general Funds	1,435,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-
Central Criminal Repository and Support Systems Improvement	12	Public Safety	VSP	Yes	No	2,700,000	FY08	FY12	Approved for Planning	General Funds	200,000	Funded	General Funds	500,000	Not Funded	General Funds	750,000	Not Funded	General Funds	750,000	General Funds	500,000	-	-	-	-
Medication Management System	13	Health & Human Resources	DMHMR	No	No	5,140,000	FY08	FY09	Approved for Planning	General Funds	4,800,000	Not Funded	General Funds	340,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-
VDC Warehousing System Modernization	14	Administration	DGS	Yes	No	500,000	FY08	FY10	Approved for Planning	-	-	-	Non-general Funds	200,000	Funded	Non-general Funds	300,000	Funded	-	-	-	-	-	-	-	-
Replacement and Enhancement of the Statewide Incident-Based Reporting System	15	Public Safety	VSP	Yes	No	1,200,000	FY08	FY10	Approved for Planning	General Funds	300,000	Funded	General Funds	500,000	Not Funded	General Funds	400,000	Not Funded	-	-	-	-	-	-	-	-
HIPAA Upgraded Transactions (5010) and Code Sets (ICD-10)	16	Health & Human Resources	DMAS	Yes	Yes	4,500,000	FY09	FY10	Approved for Planning	-	-	-	Mixed	2,925,000	Partially Funded	Mixed	1,575,000	Partially Funded	-	-	-	-	-	-	-	-
MAPPER Conversion	17	Health & Human Resources	DSS	Yes	No	33,730,000	FY08	FY11	Approved for Planning	Non-general Funds	6,650,000	Not Funded	Non-general Funds	8,520,000	Not Funded	Non-general Funds	12,050,000	Not Funded	Non-general Funds	6,510,000	-	-	-	-	-	-
Pavement Management System	18	Transportation	VDOT	Yes	No	2,150,000	FY08	FY09	Approved for Planning	Non-general Funds	1,925,000	Not Funded	Non-general Funds	225,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-
Virginia Intelligence Management System (VIMS)	19	Public Safety	VSP	Yes	No	15,200,000	FY08	FY14	Approved for Planning	Non-general Funds	850,000	Funded	Non-general Funds	2,000,000	Funded	Non-general Funds	3,000,000	Funded	Non-general Funds	3,000,000	Non-general Funds	3,000,000	Non-general Funds	2,000,000	Non-general Funds	1,000,000
VaTraffic	20	Transportation	VDOT	Yes	No	2,000,000	FY08	FY09	Approved for Planning	Non-general Funds	1,600,000	Not Funded	Non-general Funds	400,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-
POS Replacement	21	Public Safety	ABC	Yes	Yes	12,000,000	FY08	FY10	Approved for Planning	-	-	-	Non-general Funds	2,000,000	Not Funded	Non-general Funds	10,000,000	Not Funded	-	-	-	-	-	-	-	-
Automation of Motor Vehicle Inspection Program	22	Public Safety	VSP	Yes	No	3,500,000	FY08	FY11	Approved for Planning	General Funds	300,000	Funded	General Funds	800,000	Funded	General Funds	1,200,000	Funded	General Funds	1,200,000	-	-	-	-	-	-
Replacement and Enhancement of the Central Criminal History (CCH) Application	23	Public Safety	VSP	Yes	No	6,500,000	FY08	FY14	Approved for Planning	General Funds	900,000	Funded	General Funds	1,500,000	Not Funded	General Funds	2,000,000	Not Funded	General Funds	1,000,000	General Funds	500,000	General Funds	300,000	General Funds	300,000
Electronic Death Registration (EDR)	24	Health & Human Resources	VDH	Yes	Yes	1,530,000	FY09	FY10	Approved for Planning	-	-	-	Non-general Funds	720,000	Not Funded	Non-general Funds	810,000	Not Funded	-	-	-	-	-	-	-	-
Integrated Systems Redesign	25	Transportation	DMV	Yes	No	32,600,000	FY08	FY12	Approved for Planning	Non-general Funds	2,000,000	Funded	Non-general Funds	9,000,000	Funded	Non-general Funds	8,000,000	Funded	Non-general Funds	7,000,000	Non-general Funds	5,600,000	-	-	-	-
Automated Child Care Subsidy Payment System	26	Health & Human Resources	DSS	Yes	No	4,401,850	FY08	FY10	Approved for Planning	General Funds	1,500,182	Not Funded	General Funds	1,775,853	Not Funded	General Funds	1,125,615	Not Funded	-	-	-	-	-	-	-	-
New Engineering Building Technology	27	Education	VSU	No	No	953,800	FY08	FY08	Approved for Planning	Non-general Funds	953,800	Not Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Human Resources Information System (HRIS)	28	Education	VCCS	No	No	6,468,280	FY08	FY09	Approved for Planning	General Funds	2,156,093	Not Funded	General Funds	4,312,187	Not Funded	-	-	-	-	-	-	-	-	-	-	
Customer Management Queuing System	29	Transportation	DMV	No	No	2,500,000	FY08	FY08	Approved for Planning	Non-general Funds	2,500,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fiscal Agent Competitive Re-Bid	30	Health & Human Resources	DMAS	No	Yes	9,155,000	FY08	FY11	Approved for Planning	Non-general Funds	748,800	Not Funded	Mixed	2,503,140	Not Funded	Mixed	5,423,470	Not Funded	Mixed	479,590	-	-	-	-	-	-
Voice Over Internet Protocol (VoIP) Telephone System Project	31	Education	RU	No	No	1,224,531	FY08	FY09	Approved for Planning	General Funds	1,224,531	Not Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	
Relocation of CNU's Center for IT Services	32	Education	CNU	No	No	3,000,000	FY08	FY09	Approved for Planning	General Funds	1,500,000	Not Funded	General Funds	1,500,000	Not Funded	-	-	-	-	-	-	-	-	-	-	
University Advancement System (UAS) Project	33	Education	JMU	No	No	3,074,740	FY08	FY10	Approved for Planning	Non-general Funds	715,346	Funded	Non-general Funds	758,577	Funded	-	-	-	-	-	-	-	-	-	-	-
Campaign Finance Management System	34	Administration	SBE	Yes	No	500,000	FY09	FY09	Approved for Planning	General Funds	500,000	Not Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Totals</b>						<b>343,715,413</b>					<b>63,572,995</b>			<b>105,463,466</b>			<b>108,341,171</b>		<b>44,199,807</b>		<b>10,087,157</b>		<b>2,300,000</b>		<b>1,300,000</b>	

## Appendix C - 2007 New Major IT Project Descriptions

**Secretariat:** Health & Human Resources

**Agency:** Department of Health (VDA)

**Project Formal Title:** Electronic Death Registration (EDR)

### **Project Description:**

The Electronic Death Registration (EDR) system is a web based proposed system that would allow for the electronic capture of death data from funeral service licensees, state medical examiners and state physicians. The system would allow the VDH-Division of Vital Records and local health departments to issue and retain death certificates electronically as opposed to the manual process that is currently used. The Electronic Death Registration system is expected to reduce reporting delays, improve data quality, and increase the utility of death data.

### **Project Scope:**

The Electronic Death Registration (EDR) system will allow the Division of Vital Records (DVR) to go from a paper-based reporting system to an electronic filing system. The EDR will be a web-based system that will allow the many participants of the death registration process to remotely submit; register; and certify deaths occurring in the Commonwealth of Virginia. Electronic registration of deaths will gradually replace the current paper-based system. The Division of Vital Records is mandated by the Code of Virginia §32.1-273.1 to fully automate the system of vital records. The development of the EDR system will help fulfill this mandate, improve response time to customers, thus enhancing customer service and help the division fulfill proposed federal mandates that will be set forth in the Intel reform ACT that is proposed to be enacted within the next two to three years. This federal reform will impact the issuance and retention of all vital records across the nation. The proposed EDR system will also help the Division of Vital Records address their physical storage issues by helping to alleviate the growing need for more space to address the concern of retaining paper copies on site

## Appendix C - 2007 New Major IT Project Descriptions

**Secretariat:** Health & Human Resources

**Agency:** Department of Health (VDA)

**Project Formal Title:** EMS Registry

### **Project Description:**

The EMS Registry project is designed to replace the current Prehospital Patient Care Reporting (PPCR) system. The current program is technologically outdated and currently not assisting the Office of EMS to fully meet its Code mandates. The current PPCR program is cumbersome and requires manual data entry of flat files, has few upfront validations, has no compliance monitoring tools and data can only be used retrospectively with a delay in analysis being a minimum of 120 days. The new EMS Registry will be a web based data collection tool that utilizes electronic medical record technology and eliminate the current paper based system. By converting to a web based electronic patient care report (e-PCR), data submission will no longer be a separate function for the over 700 hundred EMS agencies. Instead, data submission will occur as a normal part of medical record charting through an e-PCR. Also, by converting the current outdated technology with the proposed program, data will become near real time (within 24-48 hours) and therefore a degree of health care surveillance will be added to the system. In addition, EMS treatment can be assessed and new implementations in emergency care and systems issues can be initiated sooner. Poor compliance will also be resolved by having an electronic data collection system, as transcribing patient encounters manually will no longer be required.

The Office of EMS and EMS agencies are required by Code and regulations to carry out performance improvement (PI) processes. The project will include PI modules for a state level PI program using data mining. Most importantly, is the fact that with the initiation of this project, OEMS will put into place the national dataset as agreed to in a 2003 MOU with the National EMS Information System (NEMSIS). This monumental effort is to assure the each data element collected by localities; regions, the state, and the national database are exactly the same, for more reliable analysis.

### **Project Scope:**

The EMS Registry project will allow the Office of EMS to fulfill the requirement of Code of Virginia § 32.1-111.3; promote continuing improvement of the EMS system; and improve the quality of emergency care being provided both in the prehospital and in-hospital environments through a comprehensive performance improvement program. The Virginia Department of Health (VDH), with the Office of Emergency Medical Services (OEMS) as its designee, is mandated by the Code of Virginia §§ 32.111.3, 32.1-116-1 to develop a comprehensive, coordinated, emergency medical care system incorporating facilities, transportation, manpower, communications, and other components as integral parts of a unified system that will serve to improve the delivery of emergency medical services and thereby decrease morbidity, hospitalization, disability and mortality.

## Appendix C - 2007 New Major IT Project Descriptions

**Secretariat:** Health & Human Resources

**Agency:** Department of Health (VDA)

**Project Formal Title:** Virginia Immunization Information System

### **Project Description:**

The Virginia Immunization Information System (VIIS) is a statewide immunization registry that consolidates patient immunization histories from birth to death into a complete, accurate, and definitive record that will be available to participating health care providers. Its purpose is to protect the public health, prevent under and over immunizations of children, ensure up-to-date recommendations for immunization scheduling to health care providers, generate recall notices, develop immunization reports, identify areas of under-immunized populations and in the event of an emergency, provide a mechanism for tracking the distribution and administration of immunizations. The registry will resolve the problem of fragmented immunization histories on children in Virginia. Since most children have multiple health care providers during their pre-school years a definitive immunization record is difficult to construct. Having the histories of both private and public patients entered into one system will enable health care providers to make the best medical decision for the children they serve.

### **Project Scope:**

The Virginia Immunization Information System (VIIS) will allow VDH to fulfill the requirement of §32.1-46.01 requiring the Board of Health to establish the Virginia Immunization Information System, a statewide immunization registry that consolidates patient immunization histories from birth to death into a complete, accurate, and definitive record that may be made available to participating health care providers throughout Virginia. This project is critical in that a fully implemented registry will improve immunization record keeping and provide physicians with more accurate information on which to base their medical decisions. The registry will improve the ability of physicians to proactively identify children needing immunizations, enhance reminder/recall systems, and accurately assess immunization coverage rates in their practices.



## Appendix C - 2007 New Major IT Project Descriptions

**Secretariat:** Transportation

**Agency:** Department of Transportation (VDOT)

**Project Formal Title:** VaTraffic

### **Project Description:**

VaTraffic will provide a fully functioning, web-based application for roadway incident management; statewide integration with the regional Smart Traffic Centers (STC) and the Transportation Emergency Operations Center (TEOC); and real time data feeds to the Virginia 511 Website and Virginia Integrated Voice Recognition (IVR) Phone Service. Due to the recent regionalization of operations management, VDOT requires an integrated solution for capturing, storing and disseminating relevant roadway information to field personnel, management and the traveling public, especially in the event of emergencies, such as severe weather. Data related to incidents, events and planned lane closures must be disseminated in an accurate and timely manner to benefit the public and internal customers. Reporting and analysis tools are also needed.

### **Project Scope:**

Functional areas in the web application will include:

- Capturing, storing and disseminating data for Planned Events
  - o work zones, special events, bridge openings
- Capturing, storing and disseminating data for Unplanned Events
  - o incidents, weather events, road conditions
- Enhanced Mapping capabilities
  - o point and linear events, form-driven data entry using route numbers, street names, mile markers (to be finalized during requirements specifications)
- On-line Data Grid with filtering, sorting and grouping capabilities for analysis
- Canned and ad-hoc Reporting with exporting and printing capabilities
- Work Requests (window to AMS) for generating and tracking incident related work requests
- Auto-generated e-mail Notifications including forced alerts and user defined subscriptions
- Special features will include:
  - Data Association for linking related events
  - User Prompts and Data Validation
  - System-generated Reminders
  - Multiple scheduling configurations
  - Lane Impact control
  - Conflict Detection for identifying scheduling issues related to planned lane

## Appendix C - 2007 New Major IT Project Descriptions

**Secretariat:** Transportation

**Agency:** Department of Transportation (VDOT)

**Project Formal Title:** VEAP at VDOT (**IPP**)

### **Project Description:**

VEAP in VDOT will provide a structured analysis of the agency's system modifications and enhancements required to address the VEAP implementation. This analysis will include the modifications to existing systems and new functionality to be developed to replace existing FMS functionality being retired.

### **Project Scope:**

The VEAP implementation and corresponding retirement of VDOT's FMS System will create the need for new functionality being developed to address functionality not included in the VEAP scope and interfaces to the VEA System to provide VDOT Financial data. As a result of this project VDOT will have identified system and application deliverables that will meet the needs of both the VEA System and VDOT's internal financial processing needs. This identification will include scope, requirements, and cost estimates.