Standard Approach to the Examination of Glass

I.	Analytical Procedure: Glass Analysis
II.	Suggested Uses: A procedure for examination of glass evidence.
III.	Procedures
	A. Prevent contamination or destruction of the items of evidence (see attached sheet).
	B. Search the item(s) of evidence (see attached sheet).
	C. Using a polarizing microscope or stereo microscope, determine that isotropic glass particles are present in the debris from the search procedure.
	 D. If sample size permits, determine the physical characteristics of the glass, Color Type (tempered, laminate, etc)
	ThicknessUV characteristics (float glass)
	D. If possible, examine and compare the question glass sample to the known sample for a physical match (see physical match procedure).
	E. Measure the refractive index of the glass sample by GRIM-2 for Nd.(see instrumental procedure for Grim-2)
	F. If sample size permits measure the elemental composition of the glass samples (refer to XRF instrumental procedures).
	G. Compare the results from questions and known samples to determine the significance of the data.
IV.	Safety Concerns
	A. Glass slides have sharp edges and can cut.
	B. High Temperatures may be produced.
V.	Other information - consult reference materials.
	Reviewed and Approved: Date: