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**Documentation Sheet**

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Title : Flight Test Plan/Instrumentation System for MIG-21 Aircraft Parameter Estimation

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Abstract : Various aspects of flight instrumentation system, comprising of aircraft motion sensors, data acquisition, signal conditioning unit and magnetic tape recorder, to be used for on-board flight test data acquisition have been discussed. Appropriate flight test programme has been worked out for MIG-21 aircraft to enable estimation of both longitudinal and lateral stability and control derivatives. A brief discussion about different types of control inputs suitable for parameter estimation has also been presented.