vZLA Training Syllabus: Terminal Control 2

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1. PURPOSE

The purpose of the Training Syllabus is to provide ZLA training staff an outline of expectations for students, and the minimum criteria for satisfactory performance and certification.

2. DISTRIBUTION

Training Syllabi are for use by the ZLA training staff, and are open source to our students as a reference of expectations. For students, this syllabus is an outline of absolute minimum requirements, and is in no way a ticket to certification. Certification minima are ultimately determined by the mentor / instructor, and any shortcomings of the student, as determined by the training staff-member, are grounds for additional training and/or withholding certification.

3. PREREQUISITES

The prerequisites for TC2 training are outlined in the ZLA Training Summary. The student must hold a minimum VATSIM S3 and have completed the TC1 certification.

4. SESSION PREPARATION

1. This training should be conducted on Las Vegas Approach: reference the ZLA Training Summary
1. Students should:
    a. Arrive at session with CRC set up by student preference. Students are required to have the following displays open:
        i. STARS display (Position L30)
        ii. ASDE-X (LAS)
    b. Students are recommended, but not required to have the following displays active:
        i. Tower Cab Mode (Satellites)
    c. Review the following Documentation:
        i. Las Vegas TRACON (L30) SOP
        ii. Los Angeles ARTCC (ZLA) - Las Vegas TRACON (L30) LOA
        iii. It should be noted that controllers are responsible for compliance with relevant SOPs / LOAs in syllabi for previously completed certifications

5. KNOWLEDGE REQUIREMENTS

1. Demonstrate knowledge and application of the following **separation minima**:
    a. Planned radar separation by use of CRC MIN tool
    b. Planned radar separation by use of distance-to-fix method
2. Airspace / Geography Familiarization
    a. Identify lateral and vertical boundaries of position airspace
    b. Identify adjacent Local Control, Terminal, and Enroute airspace boundaries
3. Departures
    a. Understand SID flow for each airspace configuration
        i. Identify conflict points with metroplex STARs
        ii. Mastery of uncontrolled field departure procedures

4. Arrivals
    a. Understand STAR flow for each airspace configuration
        i. Identify conflict points with metroplex SIDs
    b. Vectoring
        i. Emphasis on vectoring skill despite metroplex advantages
    c. Radar Approaches
        i. Vectoring to final approach course
        ii. Appropriate use of IAFs and separation
        iii. Mastery of uncontrolled field approach procedures
    d. Speed Control
        i. Speed control should be used efficiently to avoid conflict points between arrivals transitioning to primary airport instrument approaches
        ii. Understand the differences and results of issuing speed / altitude first when with descent and speed instructions
    e. Simultaneous Dependent Instrument Approach requirements
5. Automation
    a. Use of STARS MIN spacing tool and distance-to-fix functionality for planned separation