vZLA Training Syllabus: Local 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 endorsement.

3. PREREQUISITES

The prerequisites for LC2 training are outlined in the ZLA Training Summary. The student must hold a minimum VATSIM S2 and have completed the LC1 certification.

4. SESSION PREPARATION

1. This training should be conducted on Los Angeles Tower: 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 LAX South Local)
        ii. ASDE-X (LAX)
    b. Students are recommended, but not required to have the following displays active:
        i. Tower Cab Mode (LAX)
        ii. Tower Data-Link System (TDLS - LAX)
    c. Reviewed the following Policies and SOPs:
        i. Los Angeles ATCT SOP

5. KNOWLEDGE REQUIREMENTS

1. Demonstrate knowledge and application of the following **separation minima**:
    a. Same runway separation
    b. Parallel runway separation
        i. Identify conflict points including those beyond TWR airspace to include merging RNAV SIDs
    c. Diverging and non-diverging departures
2. Airspace / Geography Familiarization
    a. Identify lateral and vertical boundaries of position airspace
    b. Understanding of all relevant Class Bravo airspace boundaries
        i. Identify relevant Class Bravo VFR transitions and helicopter routes
    c. Identify neighboring Class Delta airspace and required coordination

3. Departures
    a. Utilize Line Up and Wait (LUAW) to manage departure flow
    b. Ensure safe crossing of departure runways
4. Arrivals
    a. Understand NTZ concept and breakout procedures
5. Traffic Management Unit (TMU) Topics
    a. Monitoring ARTCC traffic levels and proactively implementing local traffic management initiatives
        i. This should include ground delays, increased MITs and other techniques to mitigate TRACON and Center saturation as needed.
        ii. **Ensure departures are sequenced appropriately to the runway according to Traffic Management requirements. In high-volume scenarios, departures should be sequenced by GC to obtain differing SID sequence and expedited flow. It is the duty of LC / CIC to coordinate with GC and facilitate this taxi sequence.**
        iii. CalFlow at the LC level should be understood and demonstrated. Flights with EDCT / Flow delays should be sequenced or placed in hold areas appropriately
6. Facility Coordination
    a. Demonstrate proficiency in the coordination of aircraft or operations between both intrafacility and interfacility CPCs.
        i. In particular, ensure appropriate coordination for VFR Class Bravo transitions.
    b. Mastery of traffic advisory procedures
    c. Issue “rolling boundary” calls to the overlying radar sector
7. Automation
    a. Demonstrate knowledge of STARS automation including, but not limited to, the following functions:
        i. Creating VFR flight plans
        ii. Starting a track
        iii. Accepting a hand off
        iv. Initiating a hand off
        v. Accepting a point-out
        vi. Initiating a point-out
        vii. Dropping a track
        viii. Basic Radar Identification - optional but recommended