

SANTANA ONE DESIGN ASSOCIATION
Revised January 2004

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PREFACE

These revisions are being published by the SANTANA ONE DESIGN ASSOCIATION in an effort to bring current insofar as possible all the rules, regulations, and interpretations adopted by the class as of January 2004. Procedural changes and revisions in the Articles, By-Laws, Supplemental By-Laws Clarifications, and Measurement checklist adopted by mail ballot in 2002 are indicated by blue and italics, with revision marks to the left. Revisions made in 1995 are indicated by black italics (or strikethrough), with no revision marks. Drawing 001 (page 23) has been added to the Supplemental By-Laws Clarifications section and the dimensions and interpretations of the August 13, 1987 letter by Luther Conover are now incorporated in the By-Laws, Article VII, Section 7.

This rulebook is being published by SODA in an effort to bring together in one cover all the latest rules, regulations, and interpretations under which races as a one design class.

The SODA Articles of Association and By-Laws have been revised several times, unfortunately, sometimes without any record of the process being maintained. So, here for the record is our knowledge of the revision history.

REVISION HISTORY OF ARTICLES OF ASSOCIATION AND BY-LAWS

Approved and Accepted 1974

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| April 1983 | Spinnaker measurements added and Supplemental By-Laws Clarifications and National Measurer's Rulings revised. These revisions were primarily the result of the recommendations of the rules committee, at the time comprised of Charles Brochard (former Fleet Captain), Dave Hankle (former Fleet Measurer), and Bill Hoehler. |
| December 1984 | Restrictions on Jib Sheet lead eliminated. Prior to this change, the jib was required to be lead to the stock outboard genoa tracks. This change allowed the installation of inboard (cabin top) tracks, barber haulers, and the like. This change improved the windward ability of the Santana, and its passage was primarily due to the efforts of former Fleet Captain Howard Brunn. |
| October 1988 | Rules edited and brought up to date (references to NAYRU and Cruising Club of America eliminated). Luther W. Conover, Fleet Measurer |
| July 1995 | Nine revisions to the Articles and By-Laws were passed by mail ballot and announced at the Annual Meeting. |

SANTANA ONE DESIGN ASSOCIATION
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- July 2002 A revision to the mail-in ballot procedure was passed at the Annual Meeting.
- December 2002 Eleven revisions to the Articles and By-Laws were passed by mail ballot and became effective January 1, 2003.

ARTICLES OF ASSOCIATION

ARTICLE I - Name

The name of this association shall be SANTANA ONE DESIGN ASSOCIATION. Wherever the letters SODA appear in these Articles of Association and By-Laws they shall mean SANTANA ONE DESIGN ASSOCIATION.

ARTICLE II - Object

The object of SODA shall be to maintain the one-design features of the Santana 22 class according to its plans and specifications, and these Articles and By-Laws, and to promote class racing and such other activities as will benefit the members of SODA.

ARTICLE III - Jurisdiction

1. SODA shall have primary jurisdiction over all Santana class activities. These Articles and By-Laws shall govern all class races and activities, and are binding on all members and fleets.
2. All racing events within the territorial waters of a Fleet shall be sanctioned by such Fleet through its officers.
3. All disputes or issues involving the interpretation of these Articles and By-Laws shall be submitted in writing to the Governing Board of SODA for resolution, and the decisions of the Governing Board shall be final and binding upon all Officers, Members, and Fleets of SODA.
4. SODA shall not be liable for any debts contracted by its officers, Fleet officers, or Members unless such debts are first authorized by the President and Treasurer of SODA, or are subsequently ratified by the Governing Board.
5. SODA may declare ineligible any yacht which does not conform to the plans and specifications for Santana 22, or which fails to conform to the rules and regulations set forth in these Articles and By-Laws.

ARTICLES IV - Fleet Charters

1. Fleet charters may be granted upon application to the Governing Board, by three (3) or more owners who are members in good standing of SODA.
2. A Fleet shall consist of not less than three (3) yachts.
3. Fleet Charters may be granted, suspended, and reinstated by the Governing Board, but may be revoked only at an annual meeting of SODA. Grounds for suspension and revocation of Fleet Charters are:

- (a) Failure to maintain in good standing at least three yachts.
 - (b) Failure to pay the prescribed dues.
 - (c) Failure to file an annual report of Fleet members by March 15th of each calendar year.
 - (d) Failure to comply with Class rules or the provisions of these Articles and By-Laws.
4. Suspended Fleets, Members, and ineligible yachts shall be notified of such suspensions and the grounds of suspension, and while such suspension is in effect may not participate in any event conducted in whole or in part for Santana class, its members or its Fleets.

ARTICLE V - Governing Board

1. The Governing Board shall consist of all Executive Officers, the immediate past President, and District Secretaries of SODA.
2. The Governing Board shall serve a term in office of one year commencing with their election at the August annual meeting of SODA and continuing until their successors are elected at the next succeeding annual meeting.
3. The Governing Board shall meet at such time and place as may be specified by the President or a majority of the members of the Governing Board.
4. A Quorum for doing business shall consist of a simple majority of the members of the Governing board, excluding District Secretaries.
5. The Governing Board shall have all powers and authority necessary to carry on the business of SODA, except such powers and authority as may be expressly granted in these Articles and By-Laws to others. The Governing Board shall be responsible for the determining and defining the policy of SODA, and shall decide all disputes and issues concerning the interpretation of these Articles and By-Laws.
6. The Governing Board may by three-fourths majority at any duly qualified meeting enforce its decisions by suspension of Fleet Charters, or by suspension of individual Members.
7. The Governing Board shall have the authority to promulgate rules and regulations required by these Articles and By-Laws for conduct of the affairs of SODA.

ARTICLE VI - Executive Officers

1. The Executive Officers of SODA and their respective duties shall be as follows:
 - (a) **PRESIDENT-** The President shall preside at all meetings; be Chairman of the Governing Board; appoint committees and their chairmen; authorize payment of bills except the bills in excess of \$250 shall be paid only with the approval by a simple majority of the members of the Governing Board at any meeting where such bills are presented for approval; and shall determine the time and place of meetings of the Governing Board.
 - (b) **SECRETARY-** The Secretary shall preside at meetings in the absence of the President; shall maintain correspondence; record minutes of the meetings; maintain a record of Members, Fleets, and Fleet Officers; and perform such other duties as may be directed by the President or the Governing Board, or by these Articles and By-Laws.
 - (c) **TREASURER-** The Treasurer shall maintain the financial records of SODA; shall deposit funds in banks, and make disbursements with the approval of the President or the Governing Board, as required; and shall prepare and submit financial statements as required by the President or the Governing Board.
 - (d) **CHIEF MEASURER-** The Chief Measurer shall supervise the activities of all certified measurers on the Measurement Committee assembled for a National Championship Regatta; shall grant or revoke measurement certificates; interpret rules and regulations regarding construction, sail plans, rigging and equipment; and shall issue rulings on matters not specifically covered in the official plans and specifications. Rulings of the Chief Measurer shall be subject to approval by the Governing Board. The Chief Measurer may not approve changes in construction specifications, sail plan or rigging.
 - (e) **MEMBERSHIP CHAIRMAN-** The Membership Chairman shall maintain a current record of SODA Members, Fleets, and Fleet Officers, and shall publish each year a roster of Members, spouse's name, address, phone number, boat number and name of boat; current Articles of Association and By-Laws, and instructions for measuring and measurement rulings passed by the Governing Board shall be published and supplied to Fleets and Members by the Membership Chairman.
 - (f) **RACE COMMITTEE CHAIRMAN-** The Race Committee Chairman shall be in charge or organizing and managing the National Championship Regatta. He shall review and inspect locations proposed for the National

Championship Regatta, and shall report his findings to the Governing Board not later than the January meeting of the Board.

g) PUBLICATIONS CHAIRMAN- The Publications Chairman shall be responsible for publication and distribution of the SODA WATERS News Letter which shall report fleet activities, news, and articles of interest to members of SODA.

h) *The PRESIDENT and CHIEF MEASURER will be from the fleet hosting the National Championships.*

2. Executive Officers shall be elected at the Annual Meeting of SODA, and shall serve in their capacities for a period of one year commencing with their election and ending with the election of their successors at the next succeeding Annual Meeting. Candidates for office shall be nominated by a nominating committee and nominations may be made from the floor.
3. Should a vacancy occur in the Governing Board, a successor shall be appointed to fill out the unexpired term by a majority vote of the remaining Governing Board members.

ARTICLE VII - Rules Committee

The Governing Board shall appoint Members of SODA as a Rules Committee to evaluate and make recommendations to the Governing Board regarding:

- (a) Amendments in the Articles and By-Laws of SODA.
- (b) Drafting specific language for proposed amendments to the Articles and By-Laws of SODA.
- (c) Organization of special committees, including publicity and special activities, provided that the appointment of committee members by the Rules Committee shall be subject to the approval by the President.

The Governing Board, with concurrence of the President, shall appoint a Chairman of the Rules Committee who shall serve in such capacity until a successor is named. Members of the Rules Committee shall serve for a period of time which shall commence with their appointment, and end upon the appointment of their successors.

ARTICLE VIII - Honorary Membership

In recognition of their services to SODA, Gary Mull, designer of the SANTANA 22, and W.D. Schock, manufacturer of the Santana 22, are appointed Honorary Members of SODA with all the rights and privileges pertaining thereto.

ARTICLE IX - Districts

1. The Governing Board shall designate Districts on a geographical basis upon its own initiative or upon petition by a Fleet or Fleets. Such districts may be enlarged or reduced in size if the Governing Board shall decide that a change is in the best interest of SODA.
2. Rules and regulations for the conduct of SODA business within a District shall be prescribed by the Governing Board.

ARTICLE X - District Officers

1. District Secretary - Upon election the District Secretary shall become a member of the Governing Board for the next ensuing fiscal year of SODA commencing with the election of the Executive Officers of SODA; shall be responsible for general supervision of Class activities in his District; shall coordinate and enforce policy and decisions of the Governing Board as they apply to Fleets and members within his District. The District Secretary shall also perform such other duties as the Governing Board may direct.
2. The District Secretary shall be elected by the annual vote of Fleets within the District. Such vote may be by mail or in meeting, according to the agreement of Fleets within the District. The election for District Secretary shall be held in advance of the Annual Meeting of SODA, and the District Secretary shall serve in such capacity until his successor is elected.
3. Alternate District Secretary - The candidate receiving the second greatest number of votes in the election for the District Secretary is elected Alternate District Secretary. The Alternate District Secretary shall perform such duties as may be directed by the District Secretary, and in the absence of the District Secretary such duties as may be directed by the Governing Board. If the office of the District Secretary shall become vacated, the Alternate District Secretary shall serve as District Secretary for the remainder of the unexpired term. In the event the office of Alternate District Secretary shall become vacant, the Governing Board, with the advice of Fleet officers in such District, shall appoint an Alternate District Secretary for the remainder of the unexpired term.

ARTICLE XI - Meetings

1. The Association shall conduct an annual meeting during July or August (revised 2003) at such time and place as may be determined by the Governing Board. The Governing Board shall give preference to a time and place for the Annual Meeting

which coincides with the time and place of the Annual Championship Regatta, but shall not be bound to do so.

2. Special Meetings of the Association may be called by the Governing Board and shall be called upon petition in writing by at least 25% of the active Fleets of SODA to the Governing Board. The time and place of special meetings in all cases shall be fixed by the Governing Board.
3. Notice of any meeting of SODA shall be transmitted to the Secretary of each Fleet, in accordance with the records of SODA, and shall be deposited into the mails not later than fifteen days before the time of such meeting. The notice of a meeting shall describe the purpose of the meeting and the business to be transacted at such meeting. If the business of the meeting calls for voting by mail, arrangements for such voting shall be made according to rules established by the Governing Board.
4. A quorum for the conduct of business at an Annual Meeting shall consist of delegates representing not less than 50% of the active Fleets of SODA. A quorum existing at the beginning of a meeting shall continue until the meeting is adjourned.

ARTICLE XII - Delegates

1. A Fleet shall appoint a delegate to a meeting of the Association and shall instruct the delegate with respect to the position of the Fleet on business matters to be transacted at the meeting.
2. A fleet may appoint alternates to serve in the absence of an authorized delegate.
3. A delegate, or an alternate, shall have authority to act in such capacity only upon the Fleet Secretary certifying in writing to the Secretary of SODA that such delegate or alternate is authorized to act on behalf of the Fleet.

ARTICLE XIII - Voting

1. ~~A Fleet shall be entitled to cast one vote for each five (5) yachts, or fraction thereof, enrolled in the fleet and recorded in the most recent annual report of Fleet members. A fleet shall not have more than five (5) votes.~~
2. ~~Members may be heard, but only accredited delegates, or their alternates, shall vote. A simple majority of votes cast shall decide all issues, unless otherwise specified by the Articles and By-Laws of SODA, or by rules otherwise applicable to the matters voted upon. In the event of a tie vote the Chair may cast the deciding vote. The Chair may prescribe rules for limiting the time of debate on any motion.~~

1. *Voting By Mail. (July 1995, revised July 2002)*
“Voting by mail” shall include traditional U.S. Postal Service and/or electronic e-mail.
Votes may be cast by any reasonable means, including e-mail, facsimile, posted mail or an official ballot turned in at an Annual Meeting.
 - a) Proposed changes to this constitution or By-Laws will be mailed to members of record 45 days prior to the close of voting.
 - b)** Members will return the ballots to the National Secretary within the date specified on the ballot.
 - c)** A two-thirds majority of mailed in ballots is required for a proposal to pass.
 - d)** Changes take effect following the earlier of: the next occurring National Championship, or January 1 of the year following the year passed.
 - e)** The results of the vote will be announced as soon as practical after all votes have been tallied, and at the next National Championships.
2. Except where in conflict with the Articles and By-Laws of SODA, Roberts Rules of Order shall be applicable to any business transacted at an Annual Meeting or any special meeting of SODA.

ARTICLE XIV - Power to Suspend or Expel Members

1. A member of SODA may be expelled upon motion at an Annual Meeting, and upon the motion passing by three-fourths (3/4ths) majority of delegates authorized to vote. A member may be expelled only upon evidence of gross violation of the rules of SODA or upon evidence of conduct harmful to the best interest of yachting or SODA. Such member shall be entitled to be heard at the Annual Meeting where such motion is made, in accordance with rules prescribed by the Chair.
2. A member may be suspended by a Fleet upon approval by a simple majority of the members of such Fleet.

ARTICLE XV - Amendments

1. The Articles and By-Laws of SODA may be amended at the Annual Meeting or a special meeting by a simple majority vote, provided that the Rules Committee shall have jurisdiction to draft any proposed amendments to the existing Articles and By-Laws in accordance with the intent and purpose of the proponents of such amendments. No amendment to Articles or By-Laws of SODA shall be submitted to vote prior to approval of the amending language by the Rules Committee, and the sponsors of the amendment. The Rules Committee shall not have jurisdiction over the propriety of a proposed amendment, but shall have jurisdiction only to propose specific language.
2. Proposed amendments of the Articles or By-Laws of SODA shall be submitted in writing to the Secretary of SODA not later than 45 days before the date such

amendments are to be considered at the Annual Meeting or at any special meeting of SODA.

ARTICLE XVI - Membership Organization

1. Santana owners shall apply for membership in SODA through a Fleet. An owner in good standing shall be eligible to race in sanctioned races in any Fleet, but shall be required to conform to local rules. An owner may be required to present his "Official Certificate of Measurement" or other evidence of good standing in SODA.
2. Each Fleet shall be self-governing in accordance with the rules of SODA.
3. Except for participation in a National Championship Regatta, a participant in a sanctioned event shall be allowed thirty (30) days from the time he required his yacht to meet all measurement and membership requirements of SODA. Should the measurements of the yacht be challenged during this thirty days period, then the yacht shall be measured and must be shown to meet the required measurement specifications in order to qualify.
4. Members who are delinquent in payment of dues to SODA or their Fleet shall be ineligible to race in sanctioned events and may be suspended.
5. A member may belong to more than one fleet at the same time.
6. Memberships shall be of two classes:
 - (a) Active Member - A sole owner of a qualified Santana who shall have voting privileges and the right to hold office in SODA.
 - (b) Syndicate Member - A part owner of a qualified Santana. A syndicate of owners shall have only one vote per yacht.
7. Only bona fide owners of qualified Santana yachts shall be eligible to race in a National Championship Regatta.
8. Dues shall be fixed by SODA and the Fleets, respectively. Fleet Secretaries are responsible for collecting Fleet and SODA dues, and for transmitting SODA dues to the Secretary of SODA. In order to be a member in good standing of either a Fleet or of SODA, a person must have paid currently applicable dues to both, except that a person living in an area where there is no fleet organization is excused from the fleet membership requirements.

BY-LAWS

ARTICLE I - Fleet Meetings

Each Fleet shall conduct its annual meeting not later than December 31st of each year and shall file with the Secretary of SODA not later than 15 days after such annual meeting the results of elections.

ARTICLE II - Renewal of Fleet Charter

As a condition of renewal of its Fleet Charter, a Fleet shall file its annual report with the Secretary of SODA not later than March 15th of each year. Failure to file such report will result in the suspension of all rights and privileges of such Fleet in SODA upon resolution by the Governing Board.

ARTICLE III - Annual Reports

A Fleet shall file with the Secretary of SODA on or before March 15th of each year its Annual Report showing:

- (a) Names, address, and telephone numbers of Fleet Officers and names and address of members in good standing, together with the identifying hull number of the Santana owned by each member.
- (b) Dues collected for the Fleet and SODA in the year ending with December 31st next preceding the date of the Fleet Annual Report.
- (c) Statement of Fleet developments during the year for which the Annual Report is made.
- (d) Names, addresses, and telephone numbers of Fleet Measurers, Fleet Delegates, and Alternates.
- (e) Such other data, reports, and material the Governing Board may direct to be filed.

ARTICLE IV - Dues and Membership Cards

1. The annual dues of SODA shall be:
 - (a) Active Member - \$5.00 per annum.
 - (b) Syndicate Member - \$5.00 per annum for each owner in the syndicate.

2. Fleet dues shall be prescribed by the Fleet and shall be retained by that Fleet.
3. SODA dues shall be collected by the Fleet Secretary and shall be forwarded to the Secretary of SODA with identification of members and related yachts on or before March 15th of each year.
4. The Secretary of SODA shall issue current membership cards to all members in good standing.
5. The outgoing Board of Governors of SODA shall set the dues and present the budget for the coming fiscal year, both amounts to be based on the cash flow for the fiscal year just ending.

ARTICLE V - Membership and Registration Certificates

1. Santana yachts which meet all measurement requirements of SODA shall be issued a "Certificate of Measurement and Registration". Such measurement certificate shall be approved by the signatures of the Fleet Measurer, the Chief Measurer, and the Secretary of SODA.
2. A yacht holding an official measurement certificate shall not be subject to remeasurement or protest, except where reasonable evidence is produced to show material alterations made subsequent to the granting of a measurement certificate, or upon order of a Fleet through its officers, or the Governing Board, or the Chief Measurer.
3. Fleet Measurers shall be appointed by Fleet Officers and shall have authority only to measure and record measurements on the Certificate of Measurement and Registration form as provided by SODA, and in accordance with instructions from the Chief Measurer of SODA. Disputes between Fleet Measurers and Members concerning measurements shall be referred to the Chief Measurer of SODA who shall present such matters to the Governing Board with his recommendations.
4. A Fleet Measurer shall not measure his own yacht. Fleet Officers or their duly appointed representatives shall measure the yacht for the Fleet Measurer when necessary.
4. It is the policy of SODA to provide Measurement and Registration Certificates for those boats which meet the spirit of the one-design objective of the Santana 22 class as well as the specific requirements set forth by the By-Laws. It is also the policy of SODA to avoid a strict item-by-item definition of each item of permissible equipment. The objective in maintaining the one-design features of the Santana 22 is to maintain an equitable base for racing in which the skill of the skipper in maintaining, tuning and sailing his boat is tested, keeping in mind

the additional features of the Santana 22 as a family cruising boat, and as a handicap racing boat.

ARTICLE VI - Eligible Yachts

1. A yacht shall be eligible only if:
 - (a) It has been issued and holds a currently valid "Certificate of Measurement and Registration".
 - (b) It is owned by a member in good standing in SODA and a Fleet.

ARTICLE VII - Design, Characteristics and Equipment

1. No mold of the Santana 22 may be produced without the express permission and approval of the W. D. Schock Company.
2. Changes in the design characteristics, and equipment of the Santana 22 without prior express approval in writing by the Governing Board of SODA shall be illegal, and any Santana 22 yacht incorporating such changes is ineligible for racing and membership in SODA.
3. Numbers, which shall correspond with racing numbers on the main sail, shall be molded into the hull of each Santana 22 at the time of manufacturing, and such numbers shall be issued only by the W. D. Schock Company, its successors in interest, or assignees, except that sail numbers issued by USYRU or regional authority, or YRA of San Francisco may be displayed on the main sail in lieu of the hull number provided both the hull number and the sail number appear on the official Measurement Certificate.
4. No material change in design, characteristics, or equipment shall be made subsequent to manufacture and measurement unless previously approved by the Chief Measurer of SODA in accordance with his authority as prescribed by the Governing Board.
5. A motor, plus motor fuel and ballast, shall be carried to total not less than fifty (50) lbs. nor more than one hundred twenty five (125) lbs. The motor and ballast shall be secured in any location and cannot be moved during a race. Motor fuel, *with the exception of fuel in an outboard with integral fuel tank*, shall not be carried inside the cabin. *(Revised July 1995)*
6. All Coast Guard and SODA required equipment must be carried, including suitable anchor, anchor line, horn, and required life jackets and floatation devices.

7. *Mast and Standing Rigging: The mast and standing rigging shall meet the following dimensions of the Measurement Checklist (page 25) and Drawing 001 (page 26) (Adopted May 1997)*

ARTICLE VIII - Sails

1. It is declared to be the policy of SODA to discourage the use of sails designed to avoid the spirit of the rules governing the sail plan established by SODA.
2. The main sail shall carry the official Santana class insignia and the racing number of the yacht.
3. A National Champion, District Champion, or Fleet Champion shall be entitled to carry a chevron of the appropriate color (gold for National, red of District, blue for Fleet), and the last two numerals of the year of the championship on his main sail in an area not larger than six (6) inches square, and upon winning the National Championship two or more times shall be entitled to carry the Santana class insignia in gold colors on his main sail. Only the highest and most recent award should be carried.
4. Each sail shall be measured by the Fleet Measurer and if approved shall be stamped with the official stamp of SODA within a six inch square of the tack. A Fleet Measurer shall initial and date the stamped area with indelible ink or pencil. A sail not stamped with the official stamp of SODA may not be used in any race in which more than one Santana yacht participates when that race is a sanctioned class event.
5. There shall be collected by the Fleet Measurer a fee of \$1.50 for each sail measured. This fee may be retained by the Fleet.
6. A new sail may be used for a period of not more than thirty (30) days after acquisition before measurement, except that any sail used in a National Championship Regatta shall be measured before use in such regatta. Should the measurement of the sail be challenged during this thirty day period, then the sail shall be measured and must be shown to meet the required measurement specifications in order to quality.
7. *Sail Cloth Limitations: Sail cloth, fibers and film on main sail and class lapper used in one-design racing shall be limited to Polyester products. (July 1995)
Sail cloth, fibers and film on 155% genoas used in other fleet racing shall be limited to Polyester and Kevlar products. (added 2003)*
8. Sail measurements are as follows:
 - (a) Main Sail

- (1) Measurements shall be taken for width of headboard and height of sail numbers. A cross measurement shall be taken at the mid-point of the luff and leach which shall not be greater than six feet and four and one half inches (6'-4 1/2"). Another cross measurement shall be taken at the three-quarter point of the luff and leech, which shall be not more than three feet and nine inches (3' 9"). The leech is measured between the top after end of the headboard and the projected intersection of the line from foot and leech; and the luff is measured between the top forward end of the headboard and the projected intersection of the line from foot and luff. (added 2003) The main sail leach must be a fair curve without scallops. Maximum leach to measure not more than twenty three feet and nine inches (23'-9").
- (2) Headboard may be of any material. The maximum width of the headboard is measured in accordance with the rules of IOR and shall be three and one half inches (3-1/2").
- (3) The hoist of the main sail shall be limited by bands of one inch (1") width painted in contrasting color around the mast as follows:

Lower band - The lower band shall have its upper edge at a height of two feet and three inches (2'-3") above the top of the house at the mast step.
Upper band - The upper band shall have its lower edge at a height not exceeding twenty one feet and nine inches (21'-9") above the upper edge of the lower band.
- (4) The main sail shall not be carried outside the inner edges of the upper and lower bands.
- (5) The foot of the main sail shall be limited by a painted band of contrasting color around the boom at a maximum distance of nine feet and ten inches (9'-10") from the after side of the mast.
- (6) The main sail shall not be carried outside the inner edge of the band on the boom.
- (7) Battens - Battens may be used only in the main sail, shall be limited to four (4) in number, and shall be placed so as to divide the leach of the main sail into approximately five equal parts. In determining the equality of the parts, two inches leeway plus or minus shall be allowed.

Batten lengths are specified as follows: (Revised July 1995 and Jan 2003)

<i>Batten</i>	<i>Maximum Batten Length*</i>
<i>#1 Upper</i>	<i>Unrestricted** (changed 2003)</i>
<i>#2 Second</i>	<i>40 inches</i>
<i>#3 Third</i>	<i>40 inches</i>
<i>#4 Lower</i>	<i>30 inches</i>

**Sails with longer battens that have been measured before July 21, 1995 will be grandfathered in.*

*** If the top batten is longer than 24 inches and the sail has not been measured before July 21, 1995 the distance between the top of the leech and the centerline of the top batten in the pocket must be at least four feet, six inches (4' 6"), measured along the leech. (added 2003)*

- (8) Ookers may be installed on the luff and foot of the main sail.
 - (9) Adjustable outhauls are permitted.
 - (10) Windows may be installed in the main sail. (changed 2003)
 - (11) Roach reefs are allowed in the foot of the main sail, but not in the luff.
 - (12) Roller reefing, regular reefing, or jiffy reefing is allowed for the main sail.
- (b) Jib Sail
- (1) Maximum Lengths of jib sail measurements shall be as follows:

Luff, twenty four feet and seven inches (24'-7").

Leach, twenty two feet and eleven inches (22'-11").

Foot, eleven feet and six inches (11'-6").

All measurements shall be made to the intersection of lines extended from the edges of the sail including the luff.
 - (2) No artificial reinforcement except for up to two battens in the leach, each not exceeding 18 inches long shall be allowed in the patches, head, clew, and leach, or foot of the jib sail. (changed 2004)
 - (3) Before January 1, 2006 the maximum roach in the foot of the jib sail shall be five inches (5"). (changed 2003)
 - (4) The cross measurement of the jib sail taken at the mid point of the luff and leach shall not exceed five feet and nine inches (5'-9").
 - (5) The maximum length of the whisker pole shall be ten feet (10').
 - (6) The whisker pole may be attached only to the mast and the clew of the jib sail when in use.

- (7) Windows may be installed in the jib sail. (changed 2003)
- (8) *The jib may be led to any place on the deck or cabin top. Barberhaulers are legal. (July 1995)*
- (c) 155% Genoa (added January 2003)
- (1) Maximum Lengths of 155% genoa measurements shall be as follows:
 - Luff, twenty five feet and four inches (25'-4").
 - LP (minimum distance between clew and luff), 155% of J, where J is defined in 6(d)(1). The clew shall be measured at the intersection of lines extended from the edges of the foot and leech. Sails measured prior to January 1, 2003 that exceed the luff limitation (but not those that exceed the LP limitation) shall be grandfathered in.
- (2) No artificial reinforcement shall be allowed in the patches, head, clew, and leach, or foot of the 155% genoa.
- (3) The maximum length of the whisker pole shall be ten feet (10').
- (4) The whisker pole may be attached only to the mast and the clew of the 155% genoa sail when in use.
- (5) Windows may be installed in the 155% genoa.
- (6) *The 155% genoa may be led to any place on the deck or cabin top. Barberhaulers are legal.*
- (d) Spinnakers
 - (1) At the 1976 Fleet I Spring meeting, the membership voted to adapt IOR Mark III rules for the definition of the Santana spinnaker. The I and J dimensions, from the sail plan (Drawing #8-U) obtained from Gary Mull are 25'-10-3/4" and 8'-7".
 - (2) In order to assist the measurer in carrying out his duties, Fleet members in rigging their boats, and sailmakers in laying out Santana spinnakers, some additional information has been compiled. This was done by selecting from the IOR Mark III rules those sections pertinent to spinnakers and inserting, where appropriate, dimensions for Santanas. The results are attached. (Numbers in parentheses refer to the applicable IOR Mark III rule).

- (3) Luff and leach must be equal length. The sail must be symmetrical about a line joining the head to the center of the foot. The mid girth shall not be less than 75 percent of the foot length. (817)
- (4) Spinnakers shall be measured with such tension as will remove all wrinkles across the line of measurements (818 to 825)
- (5) The spinnaker headboard shall not exceed 5.15 in.
- (6) The spinnaker maximum width, measured across the body of the sail between points on the luff and leach equidistant from the head, shall not exceed 15'-5-3/8".
- (7) The spinnaker luff or leach measured around the edge of the sail, shall not exceed 25'-11". When stiffening is used to extend the angles at the tack and clew of the spinnaker beyond an included angle of 110 degrees, the greatest length of any such stiffening in the foot of the sail measured from the clew shall be added to the luff length to determine the luff length measurement.
- (8) The luff Limit is determined from the formula:

$$LL = 0.95 l^2 + J^2$$

- (9) Battens shall not be used in spinnakers and adjustable leach lines are not permitted.
- (10) The spinnaker pole length, measured from the centerline of the yacht to the extreme outboard end when the pole is in its fitting and set in a horizontal position athwartships, shall be 8'-7" or less. (808)
- (11) The maximum height of the spinnaker pole measured from the centerline of the pole when horizontal and the intersection between the forward edge of the mast and the house top shall be 5'-7-1/4". Pole height shall be limited by length of track or by the lower edge of a painted band corresponding to maximum height of the centerline of the pole. (810)

(d) General

- (1) Where any question of sail measurement arises, the measurement rules of the IOR shall govern.
- (2) ~~Unless tacking or jibing, the jib sail may not be trimmed forward of the fairleads except with the whisker pole. (Deleted July 1995)~~

ARTICLE IX - Racing Rules

1. A minimum crew for racing shall consist of a helmsman and one crew member.
2. Only a main sail and a jib sail as specified in Article VIII herein may be used in any race in which more than one Santana yacht participates (whether a sanctioned or non-sanctioned event), except that the Governing Board may permit the use of spinnakers or genoas in any race upon application from a fleet or fleets which participate in such race. The Governing Board shall issue such permit in writing, signed by the President of SODA. This limitation shall not apply to any event in which PHRF rules are applicable.
3. Unless otherwise prescribed by her class rules or in the sailing instructions, a yacht shall not use any device such as a trapeze or plank to project outboard weight of any of the crew.

ARTICLE X - Sanctioned Events

1. National or District Championships shall be conducted only with the sanction of the Governing Board and in accordance with rules and regulations established by the Governing Board, including rules establishing qualification for entry, fees, and Fleet quotas.
2. Fleet events shall be sanctioned by Fleet Officers.
3. Fleet quotas for a National or District Championship Regatta shall be filed by fleets in accordance with Fleet rules, and subject to the rules and regulations of SODA.
4. Only a bona fide owner of a Santana 22 class yacht shall be eligible to be the helmsman in National and District Championship Regattas. The Fleet Officers shall determine helmsman eligibility for Fleet events.
5. The National Championship Regatta shall be conducted in July or (changed 2003) August of each year at a time and place established by the Governing Board. Preference shall be given to the wishes of the current National Champion, but the Governing Board shall not be required to act on the recommendation of the National Champion.
6. A National Championship Regatta shall not be conducted in consecutive years at the same location or on the same body of water.
7. The National Championship Regatta shall consist of five races, except when not possible to conduct five races, the Governing Board may approve a lesser number of races, but in no event shall there be fewer than three races. The proposed courses shall be approved by the Governing Board.

**SUPPLEMENTAL BY-LAW CLARIFICATIONS
AND
NATIONAL MEASURER'S RULINGS EFFECTIVE
MARCH 9, 1974
REVISED APRIL 1983 AND JANUARY 2003**

1. Equipment for the purpose of improving safety, cruising, or ease of handling which does not improve the basic sailing characteristics of the boat is acceptable.
2. The keel may be faired to the extent that the basic shape, as designed, is not changed and may be finished with any material including glass cloth and resin. The edge of the flange may be faired into the hull.
3. Any type of boomvang, preventer, outhaul rig, cunningham rig, and reefing equipment may be used.
4. A zipper or similar equipment may be used in the foot of the main sail.
5. The jib sail may not be sheeted to the main sail boom.
6. Adjustment of the backstay may be made after the start of a race.
7. Internal mast halyards and topping lifts are permitted (changed 2003). The use of any system for adjustment of the halyards underway is permissible.
8. Any expandable whisker pole when extended to ten (10) feet shall expose a contrasting one inch (1") black or white painted band at the collar. The ten foot (10') maximum length of the whisker pole includes all fittings.
9. In a series of races, a different number of crew may be used in each race.
10. A minimum of one (1) anchor shall be carried. This anchor shall have attached an appropriate length of chain and line. This ground tackle shall be of proper size and weight suitable to the Santana 22 and the conditions known to be general to the area where the boat is sailed.
11. At least one Coast Guard approved fire extinguisher of 2-3/4 lbs. minimum size shall be carried aboard.
12. A marine head or self contained head and/or ballast added nearby to result in a total weight of not less than twenty (20) lbs. shall be carried under the forward berths in the location where the head is normally installed. (changed 2004)
13. The through hull openings for the head may be filled and faired into the hull. The cockpit drains may not be filled in.

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14. All factory supplied hatches for the storage bins under the bunk cushions shall be carried but need not be carried in place (In rough conditions storage may be more secure in open storage bins)
15. No lightening or alteration by any means, such as trypanning or thinning of bulkheads, bunk support frames, panels, or other structural members shall be made. No structural changes in the factory delivered cabin interior shall be made, except that the original mast beam and aluminum braces may be replaced with a factory made replacement mast beam. (added 2003)
16. No reduction or increasing of boat or gear weight by addition or reduction of material in any portion of the boat hull, keel, cockpit, deck, cabin, or other structural parts may be made.
17. A floorboard shall be carried in place over the keel, but the floorboard need not be the original factory supplied floorboard. The floorboard may be modified to facilitate using a lifting bridle attached to the keel bolts. All floorboards shall approximate the weight of the factory supplied floorboard and shall be constructed of 3/4" plywood.
18. The jib sail shall have either a wire or rope luff, and shall be hanked to the forestay with not less than six (6) hanks. Exception: The use of a roller-furling jib while racing is permitted. Use of a headstay foil is restricted to such jibs only, and only when the tack of the jib is attached to the top of the furler drum. If the roller furling system utilizes a foil/slotted forestay, it must be restricted to a single luff groove. (added 2003)
19. A topping lift may be used with a whisker pole.
20. It is permissible to shorten the jib tack tang.
21. The only mainsheet traveler permitted is that which remains in its normal position aft of the cockpit.
22. The mast step may be relocated, however, the fore and aft location must place the center of the mast within one inch of a line drawn between the center of the starboard and port chainplates.
23. A brace may be installed beneath the mast in order to insure deck rigidity, but no adjustment of the brace shall be made after the start of a race.
24. Sail numbers issued by USSA or regional YRA are valid for Santana 22 Class races. The hull number and sail numbers shall both appear on the measurement certificate.
25. All sails shall be measured in a completely dry state and laid horizontally with no more tension than is adequate to remove all wrinkles adjacent to the measurement being taken.

26. The rudder must be supplied by the factory. The rudder must not be altered as to shape. If any rudder has been altered (e.g. shaved at the forward edge in order to improve weather helm) the rudder must be restored to its original condition. Length of tiller and tiller material is optional. A tiller extension is recommended.
27. Bottom paint is optional.
28. Carrying and using a motor well transom board is optional.
29. The aft air scoops must be carried in place and any air hoses supplied with them must likewise be carried in place. This is necessary to vent the storage compartment where fuel is kept. The forward air scoop is optional.
30. Internal shelving throughout the boat is optional.
31. Cushions, curtains and backrest boards are optional.
32. A paddle shall be carried on board at all times.
33. All electrical systems and batteries are optional. It is suggested that no battery be stored in the aft compartment where fuel is stored.
34. Winch use and placement is optional. Any methods of increasing purchase, including magic boxes, multiple part block and tackle systems etc. are permissible, but no hydraulics or highfield levers shall be employed. Bridges for the organization of lines, cleats and winches are optional.
35. Wire rigging shall be of the same dimensions and materials as supplied by factory except as to lower shrouds. Turnbuckles must be not less than factory specifications as to dimensions and materials. No rod rigging is permitted. It is suggested that boats sailing in heavy air replace the factory supplied 5/32" lower shrouds with 3/16" wire.
36. The only turnbuckle adjustable during a race is the backstay turnbuckle. No other rigging turnbuckle may be adjusted during a race.
37. Boats employing an adjustable backstay bridle are not required to carry the original factory-supplied backstay bridle. (added 2003)
38. **Any #108 mast (revised July 1997) or any #103 mast or #103 #US 1-1/2 or #375 (revised 2002) boom is acceptable. The #US 1-1/2 is slightly rounder than the #103.**
39. **Ballast is any non-functional weight. Batteries normally hooked to an electrical system are not to be used as ballast. (Revised July 1995)**

SUGGESTIONS

- S 1 If your boat does not have seacocks on all through hull fittings, it is suggested that you carry appropriate sized plugs for all through hull opening.
- S 2 It is suggested that the cockpit hatches be fitted with closing devices which allow the hatches to be closed tightly. It is suggested that weather stripping be installed on the rims of the hatches. The purpose of these suggestions is to avoid taking on water in the aft bilge when the boat is heeled. The hatches may also be taped closed temporarily.
- S 3 Lifelines, stanchions, stanchion bases and a bow pulpit are optional. They are recommended for offshore sailing.
- S 4 It is recommended that stainless steel chainplates be installed in place of aluminum chainplates. Chainplates may be located on either side of the forward bulkhead, but no shims shall be inserted between the chainplates and the bulkhead. The chainplates shall be located so that a line drawn through the center of the chainplates will intersect a point on a line directly aft down the center of the boat between 101 inches and 105 inches from the forestay at the tack fitting.

SANTANA MEASUREMENT CERTIFICATE

Hull number _____ Name of Boat _____

Owner _____ Address _____

- A. HULL, KEEL, RUDDER
- 1. Hull number in starboard lazarette or stamped on starboard transom _____
 - 2. Cockpit drain through hulls intact _____
 - 3. Basic keel shape retained _____
 - 4. Basic rudder shape is retained _____

- B. STANDING RIGGING
- 1. All rigging is 5/32" SS wire. Lower shrouds 3/16" max. No rod rigging _____
 - 2. FORESTAY length deck combing to top eye of stay 27' max (changed 2003) _____

- C. MAST AND BOOM (REFER TO DRAWING 001)
- 1. MAST. Butt rests firmly on the deck and bears the force of the rig flat on the deck. A maximum of 3/32" may be shaved off the aft edge of the mast butt in order to promote the stability of a raked mast under load (added 2003) _____
 - 2. MAST length 24' 6 1/2" max from deck to bottom of truck cap plate _____
 - 3. Center of mast within 1" of the center line between chainplates _____
 - 4. BANDS of contrasting color on mast and boom _____
Mast. Lower band- upper edge 2' 3" above housetop _____
Mast. Upper band- lower edge 21' 9" above upper edge of lower band _____
Boom. Band, inner edge 9' 10" max from the after side of the mast _____
 - 5. Halyards. All halyards and topping lift may now be internal (2003) _____
 - 6. No head foils without roller furling apparatus, and no double head foils (2003) _____
 - 7. Whisker pole is 10' max or has contrasting bands if adjustable _____
 - 8. Spinnaker pole max 8' 7" from center of fitting to extreme outboard end _____
 - 9. Max height of spinnaker/whisker pole fitting above house top 5' 7 1/4" _____

- D. SAILS
- 1. Sails have measurement stamp or mark of SODA (sail number _____) _____

- E. CABIN AND INTERIOR EQUIPMENT
- 1. No structural changes to factory delivered interior, except for new factory-supplied mast beam to replace original one (changed 2003) _____
 - 2. Floorboard in place. Plywood 3/4" min. Cutouts allowed to assist in lifting slings _____
 - 3. Head and/or equivalent ballast (20 lbs. minimum) in normal location _____
 - 4. Motor and fuel, 50 lbs. min, 125 lbs. max, Fuel carried in lazarette _____
 - 5. Under-cushions hatches on board need not be carried in place _____
 - 6. Lazarette vents with cowlings in place, 2 each. _____

- F. SAFETY EQUIPMENT
- 1. Required USCG equipment _____
 - 2. Fire extinguisher, USCG approved B-1 type _____
 - 3. Suitable anchor and rode for sailing area, e.g. 7lb Danforth + 11' chain + 150' rd _____
 - 4. Adequate personal flotation for each person on board _____
 - 5. Paddle on board _____

MEASURER _____ DATE _____

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WITNESS _____ WITNESS _____

SANTANA ONE DESIGN ASSOCIATION
Revised January 2004

SANTANA SAIL MEASUREMENT CHECKLIST

Date							
Hull No.							
Sail No.							
Owner							
Measurer							
Fee	\$1.50 per sail						

MAINSAIL	Loft						
Material	Polyester only ⁴						
Headboard	3.5"						
Leach ¹	23' 9"						
Mid point	6' 4.5"						
Top ¼ point	3' 9"						
Upper bat	Unrestricted ²						
2 nd batten	40"						
3 rd batten	40"						
Lower bat	30"						
Between bats	5 equal parts						

JIB	Loft						
Material	Polyester only ⁴						
Luff	24' 7"						
Leach	22' 11" (battens?) ⁵						
Foot	11' 6"						
Foot roach ⁵	(before Jan '06) ³						
Mid point	5' 9"						

155 GENOA	Loft						
Material	Polyest or kevlar						
Luff	25' 4"						
LP	13' 3.65"						

SPINNAKER	Loft						
Material	Polyester only ⁴						
Headboard	5.15"						
Luff/leach	25' 11"						
Max width	15' 5 3/8"						
Foot							
Mid-girth	≥ Foot*0.75						

Notes:

¹ Mainsail luff and leach measured from top of headboard; all others from intersection of imaginary lines extending luff, leach or foot

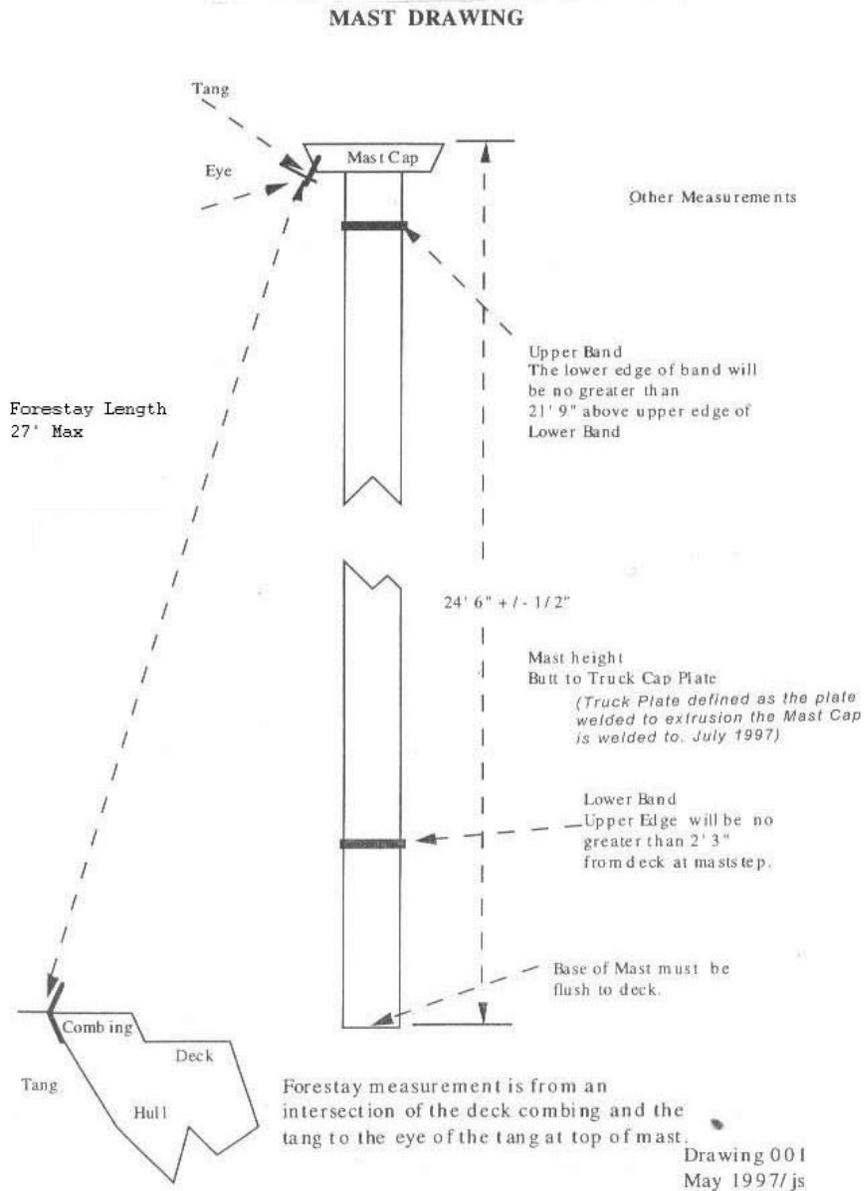
² If top batten is longer than 24" then top of leach to CL of batten along leach ≥ 4' 6"

³ Foot roach is measured under tension

⁴ Polyester products include Dacron and Mylar

⁵ Up to two battens, each up to 18" long, are allowed in the jib leach

Drawing 001



(Truck Plate defined as the plate welded to extrusion the Mast Cap is welded to. July 1997)